

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1	35005	Unmanned Experts Inc	Annex to Advanced Air Mobility Technology Research Demosstration Activities - Airspace	7/6/2021	7/6/2026	Non-Reimbursable	\$678,932	AFRC	
2	35004	Unmanned Experts Inc	Advanced Air Mobility Technology Research Demosstration Activities	7/8/2021	7/8/2026	Non-Reimbursable	\$0	AFRC	
3	35003	Joby Aviation, Inc	Annex to Participation in the NASA UAM Grand Challenge	7/8/2021	7/8/2026	Non-Reimbursable	\$592,104	AFRC	
4	35001	Raytheon Company	Annex to Advanced Air Mobility Technology Research and Demonstration Activities - Infrastructure	7/6/2021	7/6/2026	Non-Reimbursable	\$678,932	AFRC	
5	35000	Raytheon Company	Annex to Advanced Air Mobility Technology Research and Demonstration Activities - Infrastructure	7/6/2021	7/6/2026	Non-Reimbursable	\$678,932	AFRC	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
6	34999	Raytheon Company	Advanced Air Mobility Technology Research and Demonstration Activities	7/6/2021	7/6/2026	Non-Reimbursable	\$0	AFRC	
7	34998	Robust Analytics	Annex to Advanced Air Mobility Technology Research and Demonstration Activities - Infrastructure	7/6/2021	7/6/2026	Non-Reimbursable	\$678,932	AFRC	
8	34997	Robust Analytics	Advanced Air Mobility Technology Research and Demonstration Activities	7/6/2021	7/6/2026	Non-Reimbursable	\$0	AFRC	
9	34996	AURA Network Systems	Annex to Advanced Air Mobility Technology Research and Demonstration Activities	7/6/2021	7/6/2026	Non-Reimbursable	\$678,932	AFRC	
10	34995	AURA Network Systems	Advanced Air Mobility Technology Research and Demonstration Activities	7/6/2021	7/6/2026	Non-Reimbursable	\$0	AFRC	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
11	34994	University of North Texas	Annex to Advanced Air Mobility Technology Research and Demonstration Activities - Infrastructure	7/6/2021	7/6/2026	Non-Reimbursable	\$678,932	AFRC	
12	34993	University of North Texas	Advanced Air Mobility Technology Research and Demonstration Activities	7/6/2021	7/6/2026	Non-Reimbursable	\$0	AFRC	
13	34991	ARINC Incorporated	Annex to Participation in the NASA UAM Grand Challenge - Airspace	7/6/2021	7/6/2026	Non-Reimbursable	\$678,932	AFRC	
14	34990	SkyGrid, LLC	Annex to Advanced Air Mobility Technology Research and Demonstration Activities - Infrastructure	7/6/2021	7/6/2026	Non-Reimbursable	\$678,932	AFRC	
15	34989	SkyGrid, LLC	Annex to Advanced Air Mobility Technology Research and Demonstration Activities - Airspace	7/6/2021	7/6/2026	Non-Reimbursable	\$678,932	AFRC	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
16	34988	SkyGrid, LLC	Advanced Air Mobility Technology Research and Demonstration Activities	7/6/2021	7/6/2026	Non-Reimbursable	\$0	AFRC	
17	34987	OneSky Systems Inc	Annex to Advanced Air Mobility Technology Research and Demonstration Activities - Airspace	7/6/2021	7/6/2026	Non-Reimbursable	\$678,932	AFRC	
18	34986	OneSky Systems Inc	Advanced Air Mobility Technology Research and Demonstration Activities	7/6/2021	7/6/2026	Non-Reimbursable	\$0	AFRC	
19	34985	Metron Aviation, Inc	Annex to Advanced Air Mobility Technology Research and Demonstration Activities	7/6/2021	7/6/2026	Non-Reimbursable	\$678,932	AFRC	
20	34984	Metron Aviation, Inc	Advanced Air Mobility Technology Research and Demonstration Activities	7/6/2021	7/6/2026	Non-Reimbursable	\$0	AFRC	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
21	34983	Avision, INC	Annex to Advanced Air Mobility Technology Research and Demonstration Activities	7/6/2021	7/6/2026	Non-Reimbursable	\$678,932	AFRC	
22	34982	Avision, Inc	Advanced Air Mobility Technology Research and Demonstration Activities	7/6/2021	7/6/2026	Non-Reimbursable	\$0	AFRC	
23	34981	ANRA Technologies, LLC	Annex to Advanced Air Mobility Technology Research and Demonstration Activities - Airspace	7/6/2021	7/6/2026	Non-Reimbursable	\$678,932	AFRC	
24	34980	ANRA Technologies, LLC	Advanced Air Mobility Technology Research and Demonstration Activities	7/6/2021	7/6/2026	Non-Reimbursable	\$0	AFRC	
25	34979	Wisk Aero, LLC	Annex to Participation in the NASA AAM National Campaign - Flight Annex	7/6/2021	7/6/2026	Non-Reimbursable	\$592,104	AFRC	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
26	34978	Reliable Robotics Corporation	Annex to Advanced Air Mobility Technology Research and Demonstration Activities - Flight Annex	7/6/2021	7/6/2026	Non-Reimbursable	\$592,104	AFRC	
27	34977	Reliable Robotics Corporation	Advanced Air Mobility Technology Research and Demonstration Activities	7/6/2021	7/6/2026	Non-Reimbursable	\$0	AFRC	
28	34443	Alaka'i Technologies Corporation	Annex to Participation in the NASA AAM National Campaign	10/2/2020	10/2/2025	Non-Reimbursable	\$592,104	AFRC	
29	34442	Alaka'i Technologies Corporation	Participation in the NASA AAM National Campaign	10/2/2020	10/2/2025	Non-Reimbursable	\$0	AFRC	
30	34439	Wisk Aero, LLC	AAM National Campaign - 1 Vehicle Provider Information Exchange Annex	10/22/2020	10/22/2025	Non-Reimbursable	\$592,104	AFRC	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
31	34436	Wisk Aero, LLC	Participation in the NASA AAM National Campaign	10/22/2020	10/22/2025	Non-Reimbursable	\$0	AFRC	
32	33352	Logistic Air, LLC	For Use of NASA SOFIA B747 Flight Simulator	10/19/2021	10/19/2024	Reimbursable	-----	AFRC	
33	33089	Bell Textron, Inc	Annex to Hybrid-Electric System Integration, Development and Testing Activities	1/15/2020	8/8/2024	Non-Reimbursable	\$592,104	AFRC	
34	33088	The Boeing Company	Grand Challenge Vehicle Provider Information Exchange Annex	2/28/2020	2/28/2025	Non-Reimbursable	\$592,104	AFRC	
35	33087	The Boeing Company	Participation in the NASA UAM Grand Challenge	2/28/2020	2/28/2025	Non-Reimbursable	\$0	AFRC	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
36	33085	Zeva, Inc (dba Zeva Aero)	Grand Challenge Vehicle Provider Information Exchange Annex	2/3/2020	2/3/2025	Non-Reimbursable	\$592,104	AFRC	
37	33084	Zeva, Inc (dba Zeva Aero)	Participation in the NASA UAM Grand Challenge	2/3/2020	2/3/2025	Non-Reimbursable	\$0	AFRC	
38	33081	The University of North Texas	Grand Challenge - Development Test Airspace Annex	2/3/2020	2/3/2025	Non-Reimbursable	\$678,932	AFRC	
39	33080	The University of North Texas	Participation in the NASA UAM Grand Challenge	2/3/2020	2/3/2025	Non-Reimbursable	\$0	AFRC	
40	33079	Uber Technologies, Inc	Grand Challenge - Development Test Airspace Annex	2/3/2020	2/3/2025	Non-Reimbursable	\$678,932	AFRC	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
41	33078	Uber Technologies, Inc	Participation in the NASA UAM Grand Challenge	2/3/2020	2/3/2025	Non-Reimbursable	\$0	AFRC	
42	33076	Prodentity, LLC	Grand Challenge Vehicle Provider Information Exchange Annex	2/3/2020	2/3/2025	Non-Reimbursable	\$592,104	AFRC	
43	33075	Prodentity, LLC	Participation in the NASA UAM Grand Challenge	2/3/2020	2/3/2025	Non-Reimbursable	\$0	AFRC	
44	33073	OneSky Systems Inc	Grand Challenge - Development Test Airspace Annex	2/3/2020	2/3/2025	Non-Reimbursable	\$678,932	AFRC	
45	33072	OneSky Systems Inc	Participation in the NASA UAM Grand Challenge	2/3/2020	2/3/2025	Non-Reimbursable	\$0	AFRC	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
46	33065	NFT, Inc	Grand Challenge Vehicle Provider Information Exchange Annex	2/3/2020	2/3/2025	Non-Reimbursable	\$592,104	AFRC	
47	33064	NFT, Inc	Participation in the NASA UAM Grand Challenge	2/3/2020	2/3/2025	Non-Reimbursable	\$0	AFRC	
48	33063	Metron Aviation, Inc	Grand Challenge - Development Test Airspace Annex	2/3/2020	2/3/2025	Non-Reimbursable	\$678,932	AFRC	
49	33062	Metron Aviation, Inc	Participation in the NASA UAM Grand Challenge	2/3/2020	2/3/2025	Non-Reimbursable	\$0	AFRC	
50	33059	GeoRq LLC	Grand Challenge - Development Test Airspace Annex	2/3/2020	2/3/2025	Non-Reimbursable	\$678,932	AFRC	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
51	33058	GeoRq LLC	Participation in the NASA UAM Grand Challenge	2/3/2020	2/3/2025	Non-Reimbursable	\$0	AFRC	
52	33057	Ellis & Associates	Grand Challenge - Development Test Airspace Annex	2/3/2020	2/3/2025	Non-Reimbursable	\$678,932	AFRC	
53	33056	Ellis & Associates	Participation in the NASA UAM Grand Challenge	2/3/2020	2/3/2025	Non-Reimbursable	\$0	AFRC	
54	33055	Avision, Inc	Grand Challenge - Development Test Airspace Annex	2/3/2020	2/3/2025	Non-Reimbursable	\$678,932	AFRC	
55	33054	Avision, Inc	Participation in the NASA UAM Grand Challenge	2/3/2020	2/3/2025	Non-Reimbursable	\$0	AFRC	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
56	33039	ARINC Incorporated	Grand Challenge - Development Test Airspace Annex	2/3/2020	2/3/2025	Non-Reimbursable	\$678,932	AFRC	
57	33038	ARINC Incorporated	Participation in the NASA UAM Grand Challenge	2/3/2020	2/3/2025	Non-Reimbursable	\$0	AFRC	
58	33037	ANRA Technologies, LLC	Grand Challenge - Development Test Airspace Annex	2/3/2020	2/3/2025	Non-Reimbursable	\$678,932	AFRC	
59	33036	ANRA Technologies, LLC	Participation in the NASA UAM Grand Challenge	2/3/2020	2/3/2025	Non-Reimbursable	\$0	AFRC	
60	33035	AiRXOS, Inc	Grand Challenge - Development Test Airspace Annex	3/2/2020	3/2/2025	Non-Reimbursable	\$678,932	AFRC	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
61	33034	AiRXOS, Inc	Participation in the NASA UAM Grand Challenge	3/2/2020	3/2/2025	Non-Reimbursable	\$0	AFRC	
62	33033	Airmap, Inc	Participation in the NASA UAM Grand Challenge - Development Test Airspace Annex	2/3/2020	2/3/2025	Non-Reimbursable	\$678,932	AFRC	
63	33032	Airmap, Inc	Participation in the NASA UAM Grand Challenge	2/3/2020	2/3/2025	Non-Reimbursable	\$0	AFRC	
64	33031	Joby Aviation, Inc	Grand Challenge - Development Test Flight Annex	2/19/2020	2/19/2025	Non-Reimbursable	\$592,104	AFRC	
65	33030	Joby Aviation, Inc	Participation in the NASA UAM Grand Challenge	2/19/2020	2/19/2025	Non-Reimbursable	\$0	AFRC	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
66	32757	AeroVironment, Inc.	Small Unmanned Aircraft System (SUAS)Testing and Trainin	11/10/2020	11/10/2025	Reimbursable	-----	AFRC	
67	32489	Virgin Galactic Holdings	Collaborative Medical Device Development in Response to COVID-19 Pandemic	4/22/2020	4/22/2023	Non-Reimbursable	\$0	AFRC	
68	32339	Fenix Space, Inc.	Supporting Development of a Tow-glider Launch Platform thr	5/27/2020	5/27/2025	Reimbursable	-----	AFRC	
69	32338	Fenix Space, Inc.	Development of Tow-glider Launch Platform	5/27/2020	5/27/2025	Reimbursable	-----	AFRC	
70	32162	Learjet, Inc	Flight Test Support of Global 7500 Business Jet	5/17/2021	5/17/2022	Reimbursable	-----	AFRC	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
71	32161	Learjet, Inc	Business Jet Flight Test Support	5/17/2021	5/17/2026	Reimbursable	-----	AFRC	
72	31875	Stratolaunch, LLC	Annex to Support Flight Operations of the Stratolaunch Carrier Aircraft	6/18/2020	2/13/2025	Reimbursable	-----	AFRC	
73	31694	Stratolaunch, LLC	To Support Flight Operations of the Stratolaunch Carrier Aircraft	2/13/2020	2/13/2025	Reimbursable	-----	AFRC	
74	31693	Stratolaunch, LLC	To Support Flight Operations of the Stratolaunch Carrier Aircraft	2/13/2020	2/13/2025	Reimbursable	-----	AFRC	
75	31588	Lockheed Martin	Annex to NASA ER-2 Low Power Laser Demonstrator (LPLD)	1/8/2020	11/27/2022	Reimbursable	-----	AFRC	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
76	31026	Northrop Grumman	Reimbursable Space Act Agreement between Northrop Grumman and NASA	2/6/2020	2/6/2023	Reimbursable	-----	AFRC	
77	30284	General Electric Aviation	General Electric Aviation Use of NASA SOFIA B747 Flight Simulator	5/8/2019	5/8/2024	Reimbursable	-----	AFRC	
78	29919	Scaled Composites	For Use of NASA SOFIA B747 Flight Simulator	3/21/2019	3/21/2022	Reimbursable	-----	AFRC	
79	29252	The Boeing Company	Annex to Aerospace Research Development	4/5/2019	2/3/2022	Non-Reimbursable	\$699,161	AFRC	SAA1-23831
80	28763	Echodyne Corporation	Resilient Autonomy Collaboration	9/25/2019	11/25/2021	Non-Reimbursable	\$11,036	AFRC	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
81	27967	Aerovironment, Inc	Unmanned Aircraft Systems (UAS) Testing	11/14/2018	11/14/2023	Reimbursable	-----	AFRC	
82	27347	Modern Technology Solutions, Inc.	Collaborative development of contingency management for autonomous aircraft	8/6/2018	12/6/2021	Non-Reimbursable	\$374,127	AFRC	
83	26975	Bell Textron, Inc	Hybrid-Electric System Integration, Development and Testing Activities	8/8/2019	8/8/2022	Non-Reimbursable	\$1,519,555	AFRC	
84	26974	Bell Textron, Inc	Hybrid-Electric System Integration, Development and Testing Activities	8/8/2019	8/8/2024	Non-Reimbursable	\$0	AFRC	
85	25826	Raytheon Company	For Use of NASA SOFIA B747 Flight Simulator	6/22/2017	6/22/2022	Reimbursable	-----	AFRC	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
86	25811	Lockheed Martin	NASA ER-2 Low Power Laser Demonstrator (LPLD)	11/27/2017	11/27/2022	Reimbursable	-----	AFRC	
87	25562	Safety Technology Holdings, Incorporated	Reimbursable Space Act Agreement to support the test setup	12/7/2017	12/7/2022	Reimbursable	-----	AFRC	
88	24538	TriTech Small Business Development Center	Annex to Non-Reimbursable Space Act Agreement with TriTech SBDC for Small Business Innovation Research/Small Business Technology Transfer assistance	4/17/2017	4/17/2022	Non-Reimbursable	\$5,160	AFRC	
89	24537	TriTech Small Business Development Center	Annex to Non-Reimbursable Space Act Agreement with TriTech SBDC for Regional Economic Development	4/17/2017	4/17/2022	Non-Reimbursable	\$7,313	AFRC	
90	23718	TriTech Small Business Development Center	Non-Reimbursable Space Act Agreement with TriTech SBDC for Regional Economic Development, including Technology Transfer assistance	4/17/2017	4/17/2022	Non-Reimbursable	\$2,733	AFRC	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
91	23717	TriTech Small Business Development Center	Non-Reimbursable Space Act Agreement with TriTech SBDC for Regional Economic Development, including Technology Transfer and Small Business Innovation Research/Small Business Technology Transfer Assistance	4/17/2017	4/17/2022	Non-Reimbursable	\$0	AFRC	
92	23205	Lockheed Martin Aeronautics Compa	Develop Cost Estimate of Proposed Tests	4/24/2017	4/24/2022	Reimbursable	----	AFRC	
93	23204	Lockheed Martin Aeronautics Compa	Testing Support of Lockheed Martin Test Articles	4/24/2017	4/24/2022	Reimbursable	----	AFRC	
94	23109	Battelle Memorial Institute	Development of an Ice Prevention System	11/17/2016	11/17/2021	Reimbursable	----	AFRC	
95	23044	Cal Poly Pomona Foundation, Inc	Non-Reimbursable Space Act Agreement Between Cal Poly Pomona Foundation, Inc. to Evaluate, Prototype, and Conduct Market Research on Technologies available for licensing within the Intellectual Property Portfolio	1/5/2017	1/5/2022	Non-Reimbursable	\$3,918	AFRC	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
96	21777	Cal Poly Pomona Foundation, Inc	Non-Reimbursable Space Act Agreement Between Cal Poly Pomona Foundation, Inc. to Evaluate, Prototype, and Conduct Market Research on technologies within the Technology Transfer Patent Portfolio	1/5/2017	1/5/2022	Non-Reimbursable	\$0	AFRC	
97	21370	Sands Aviation LLC	For Use of NASA SOFIA B747 Flight Simulator	9/30/2015	10/31/2021	Reimbursable	----	AFRC	
98	35390	Agscent USA	Reimbursable Space Act Agreement between NASA Ames F	9/27/2021	9/27/2022	Reimbursable	----	ARC	SAA2-403652
99	35267	Gulfstream Aerospace Corporation	Annex Two to Reimbursable Umbrella Space Act Agreement	9/13/2021	9/13/2022	Reimbursable	----	ARC	SAA2-403564-2
100	35266	Dallas/Fort Worth International Airport Board	Non-Reimbursable Space Act Agreement between NASA Ames Research Center and Dallas/Fort Worth International Airport Board for Data Sharing for NextGen Research and Development	9/29/2021	9/29/2026	Non-Reimbursable	\$338,769	ARC	SAA2-403645

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
101	34910	Small Payload Ride Share Association	Nonreimbursable Space Act Agreement between NASA Ames Research Center and the Small Payload Ride Share Association for Co-hosting the 2021 Small Payload Ride Share Virtual Symposium	7/8/2021	7/8/2022	Non-Reimbursable	\$57,997	ARC	SAA2-403632
102	34899	DYNETICS CORP	Annex One under Reimbursable Space Act Umbrella Agreement	10/12/2021	10/12/2022	Reimbursable	-----	ARC	SAA2-403636 -1
103	34898	DYNETICS CORP	Reimbursable Space Act Umbrella Agreement between NASA Ames Research Center and the Skydio Inc. for Autonomous UAS Technology Research and Development	10/12/2021	10/12/2026	Reimbursable	-----	ARC	SAA2-403636
104	34812	Skydio, Inc.	Annex One to Non-Reimbursable Space Act Umbrella Agreement between NASA Ames Research Center and the Skydio Inc. for Autonomous UAS Technology Research and Development	9/1/2021	9/1/2023	Non-Reimbursable	\$278,220	ARC	SAA2-403630-1
105	34811	Skydio, Inc.	Non-Reimbursable Space Act Umbrella Agreement between NASA Ames Research Center and the Skydio Inc. for Autonomous UAS Technology Research and Development	9/1/2021	9/1/2026	Non-Reimbursable	\$0	ARC	SAA2-403630

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
106	34678	Microsoft Corporation	Annex One under Non-Reimbursable Space Act Umbrella Agreement between NASA Ames Research Center and Microsoft Corporation for Cloud-Base Simulation Platform Prototype	7/16/2021	1/16/2023	Non-Reimbursable	\$839,441	ARC	SAA2-403624-1
107	34677	Microsoft Corporation	Non-Reimbursable Space Act Umbrella Agreement between NASA Ames Research Center and Microsoft Corporation for Cloud-Base Simulation Platform Prototype	7/16/2021	7/16/2026	Non-Reimbursable	\$0	ARC	SAA2-403624
108	34539	The Boeing Company	Non-Reimbursable Space Act Agreement between NASA ARC and Boeing Company for Computational Assessment and Wind Tunnel Data Correlation for a Low Boom Demonstrator Concept	9/27/2021	9/27/2024	Non-Reimbursable	\$45,541	ARC	SAA2-403620
109	34521	Avision, Inc.	Nonreimbursable Space Act Agreement between NASA Ames Research Center and Avision, Inc for Scalable Traffic Management for Emergency Response Operations (STEReO)	4/27/2021	4/27/2026	Non-Reimbursable	\$1,273,460	ARC	SAA2-403618
110	34508	Skycorp, Inc	Reimbursable Space Act Agreement between NASA Ames R	9/7/2021	9/7/2022	Reimbursable	-----	ARC	SAA2-403616

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
111	34471	General Electric Company	Annex One under Non-Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and General Electric Company for Safety Assurance of Flight Critical Systems	5/20/2021	5/20/2024	Non-Reimbursable	\$475,075	ARC	SAA2-403615-1
112	34470	General Electric Company	Non-Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and General Electric Company for Safety Assurance of Flight Critical Systems	5/20/2021	5/20/2026	Non-Reimbursable	\$0	ARC	SAA2-403615
113	34263	The Boeing Company	Annex 2 under Reimbursable Umbrella Space Act Agreement	4/26/2021	4/26/2022	Reimbursable	-----	ARC	SAA2-403460-2
114	34262	Northrop Grumman Corporation	Annex Two to the Reimbursable Space Act Umbrella Agreement	4/28/2021	4/28/2022	Reimbursable	-----	ARC	SAA2-403514-2
115	34243	Founder Institute, Incorporated	Annex Two to Nonreimbursable Space Act Umbrella Agreement between the National Aeronautics and Space Administration Ames Research Center and Founder Institute, Incorporated for Phase 2 - Founder Institute Advanced Technology Accelerator Program	5/20/2021	11/19/2022	Non-Reimbursable	\$21,502	ARC	SAA2-403517-2

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
116	34095	Chabot Space & Science Center	Annex One to Non-Reimbursable Umbrella Interagency Agreement between NASA ARC and the Chabot Space and Science Center for Framework on Regional Partnership	2/8/2021	2/8/2023	Non-Reimbursable	\$2,400,475	ARC	SAA2-403607-1
117	34094	Chabot Space & Science Center	Non-Reimbursable Umbrella Interagency Agreement between NASA Ames Research Center and the Chabot Space and Science Center for Framework on Regional Partnership	2/8/2021	2/8/2026	Non-Reimbursable	\$0	ARC	SAA2-403607
118	33913	KAI, LLC	Non-Reimbursable Space Act Agreement between NASA Ames Research Center and KAI, LLC for the Development of Flexible Thermal Protection Systems Materials	2/19/2021	2/19/2023	Non-Reimbursable	\$13,524	ARC	SAA2-403603
119	33785	Astranis Space Technologies Corpor	Reimbursable Space Act Agreement between NASA Ames R	1/5/2021	1/5/2022	Reimbursable	-----	ARC	SAA2-403599
120	33289	Rocket Lab USA	Annex One under NRUSAA between NASA ARC and Rocket Lab for Space Science, Earth Science, and Engineering Research	10/14/2020	4/14/2022	Non-Reimbursable	\$79,329	ARC	SAA2-403591-1

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
121	33288	Rocket Lab USA	Non-Reimbursable Umbrella Space Act Agreement between NASA ARC and Rocket Lab for Space Science, Earth Science, and Engineering Research	10/14/2020	10/14/2025	Non-Reimbursable	\$0	ARC	SAA2-403591
122	33148	Stanford Blood Center	Non-Reimbursable Space Act Agreement between NASA Ames Research Center and Stanford Blood Center for Blood Drives	10/6/2020	10/6/2025	Non-Reimbursable	\$12,568	ARC	SAA2-403588
123	33083	Virgin Orbit	Annex One under Reimbursable Umbrella Space Act Agree	10/6/2020	10/6/2021	Reimbursable	-----	ARC	SAA2-403586-1
124	33082	Virgin Orbit	Reimbursable Umbrella Space Act Agreement between NAS	10/6/2020	10/6/2025	Reimbursable	-----	ARC	SAA2-403586
125	33061	Sentinel Healthcare Corporation	Annex One under Nonreimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Sentinel Healthcare for a Data-Driven Pandemic Response Management System	9/8/2020	9/8/2022	Non-Reimbursable	\$10,816	ARC	SAA2-403585-1

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
126	33060	Sentinel Healthcare Corporation	Nonreimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Sentinel Healthcare for a Data-Driven Pandemic Response Management System (COVID-19)	9/8/2020	9/8/2025	Non-Reimbursable	\$0	ARC	SAA2-403585
127	33001	Physics Applications, Inc.	Reimbursable Space Act Agreement between NASA Ames Research Center and Physics Applications, Inc.	3/8/2021	3/8/2022	Reimbursable	-----	ARC	SAA2-403583
128	33000	Lawrence Livermore National Security Administration	Annex 1 under Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Lawrence Livermore National Security Administration	1/13/2021	1/13/2022	Reimbursable	-----	ARC	SAA2-403582-1
129	32994	Lawrence Livermore National Security Administration	Annex Two under RUSAA between NASA ARC and Lawrence Livermore National Security Administration	4/5/2021	4/5/2022	Reimbursable	-----	ARC	SAA2-403582-2
130	32993	Lawrence Livermore National Security Administration	Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Lawrence Livermore National Security Administration	1/13/2021	1/13/2026	Reimbursable	-----	ARC	SAA2-403582

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
131	32992	Purdue University	Annex One under Non-Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Purdue University for Research and Development in Aerospace, Earth Science, and Aviation Systems	12/15/2020	12/15/2025	Non-Reimbursable	\$96,476	ARC	SAA2-403581-1
132	32991	Purdue University	Non-Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Purdue University for Research and Development in Aerospace, Earth Science, and Aviation Systems	12/15/2020	12/15/2025	Non-Reimbursable	\$0	ARC	SAA2-403581
133	32905	California Polytechnic State University	Annex One to Non-reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and California Polytechnic State University for Space Exploration, Science and Engineering Research, and STEM Initiatives	6/20/2021	6/20/2024	Non-Reimbursable	\$96,152	ARC	SAA2-403539-1
134	32865	California Department of Forestry and Fire Protection	Non-Reimbursable Space Act Agreement between NASA Ames Research Center and California Department of Forestry and Fire Protection (CAL FIRE) for Scalable Traffic Management for Emergency Response Operation (STEReO)	4/5/2021	4/5/2026	Non-Reimbursable	\$1,892,439	ARC	SAA2-403576
135	32736	NISSAN NORTH AMERICA, INC	Annex 2 under RUSAA between NASA ARC and Nissan Nor	6/12/2020	6/12/2022	Reimbursable	-----	ARC	SAA2-403545-2

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
136	32699	University of Colorado Boulder	Annex 1 to the Non-Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and University of Colorado for Exploration, Development, and Testing of High Temperature Materials for Hypersonics	4/19/2021	4/19/2026	Non-Reimbursable	\$186,242	ARC	SAA2-403529-1
137	32613	Khaled bin Sultan Living Oceans Foundation	Non-Reimbursable Space Act Agreement between NASA Ames and Khaled bin Sultan Living Oceans Foundation for Sharing Data to Improve Benthic Habitat Map	5/15/2021	5/15/2026	Non-Reimbursable	\$126,200	ARC	SAA2-403568
138	32577	Delta Air Lines, Inc.	Non-Reimbursable Space Act Agreement between NASA Ames and Delta Airlines, Inc. for Human Factors Fatigue Research	11/24/2020	11/24/2025	Non-Reimbursable	\$740,892	ARC	SAA2-403566
139	32574	VERDIGRIS TECHNOLOGIES, INC	Nonreimbursable Space Act Agreement between Verdigris Technologies, Inc. and NASA Ames Research Center for Advanced Sensing and Health Management for Sustainable Habitats	1/27/2021	1/27/2026	Non-Reimbursable	\$182,296	ARC	SAA2-403565
140	32524	San Jose State University	Annex One under Non-reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and San Jose State University for Space Exploration, Science and Engineering Research, and STEM Initiatives	2/18/2021	2/18/2026	Non-Reimbursable	\$93,399	ARC	SAA2-403536-1

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
141	32522	Gulfstream Aerospace Corporation	Annex one under Reimbursable Umbrella Space Act Agreement	8/15/2021	8/15/2022	Reimbursable	-----	ARC	SAA2-403564-1
142	32521	Gulfstream Aerospace Corporation	Reimbursable Umbrella Space Act Agreement between NASA and Gulfstream	8/15/2021	8/15/2026	Reimbursable	-----	ARC	SAA2-403564
143	32517	MOFFETT FIELD HISTORICAL SOCIETY	Reimbursable Space Act Agreement between NASA Ames Research Center and Moffett Field Historical Society	6/29/2020	6/29/2025	Reimbursable	-----	ARC	SAA2-403562
144	32345	County of Santa Clara Office of the Sheriff	Reimbursable Space Act Agreement between NASA Ames Research Center and County of Santa Clara	10/1/2020	9/30/2025	Reimbursable	-----	ARC	SAA2-403555
145	32295	American Airlines	Annex One under Nonreimbursable Umbrella Space Act Agreement between NASA Ames Research Center and American Airlines for Collaborative Research to Improve Aviation Safety	3/1/2021	3/1/2024	Non-Reimbursable	\$1,789,221	ARC	SAA2-403551-1

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
146	32294	American Airlines	NONREIMBURSABLE SPACE ACT UMBRELLA AGREEMENT BETWEEN THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION AMES RESEARCH CENTER AND AMERICAN AIRLINES FOR COLLABORATIVE RESEARCH TO IMPROVE AVIATION SAFETY	3/1/2021	3/1/2026	Non-Reimbursable	\$0	ARC	SAA2-403551
147	32210	SAN JOSE STATE UNIVERSITY	Non-reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and San Jose State University for Space Exploration, Science and Engineering Research, and STEM Initiatives	2/18/2021	2/18/2026	Non-Reimbursable	\$0	ARC	SAA2-403536
148	32209	California Polytechnic State University	Non-reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and California Polytechnic State University for Space Exploration, Science and Engineering Research, and STEM Initiatives	6/20/2021	6/20/2026	Non-Reimbursable	\$0	ARC	SAA2-403539
149	32187	LOCKHEED MARTIN	Reimbursable Space Act Agreement between NASA ARC and Lockheed Martin	5/1/2020	12/30/2022	Reimbursable	-----	ARC	SAA2-403549
150	32119	The Spaceship Company	Reimbursable Space Act Agreement between NASA Ames Research Center and The Spaceship Company	10/7/2020	10/7/2021	Reimbursable	-----	ARC	SAA2-403543

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
151	31973	NISSAN NORTH AMERICA, INC	Annex 1 between NASA ARC and Nissan North America for	6/12/2020	6/12/2022	Reimbursable	-----	ARC	SAA2-403545-1
152	31972	NISSAN NORTH AMERICA, INC	Reimbursable Umbrella Space Act Agreement between NAS	6/12/2020	6/12/2025	Reimbursable	-----	ARC	SAA2-403545
153	31897	Arizona State University	Annex One to NRUSAA between NASA ARC and Arizona State University for Technology Transfer Academia Infusion	5/22/2020	5/21/2025	Non-Reimbursable	\$62,883	ARC	SAA2-403530-1
154	31896	Arizona State University	Non-reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Arizona State University for Space Exploration, Science and Engineering Research, and STEM Initiatives	5/21/2020	5/21/2025	Non-Reimbursable	\$0	ARC	SAA2-403530
155	31890	UNIVERSITY OF COLORADO BOULDER	Non-reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and the University of Colorado at Boulder for Space Exploration, Science and Engineering Research, and STEM Initiatives	4/19/2021	4/19/2026	Non-Reimbursable	\$0	ARC	SAA2-403529

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
156	31848	SPACE SYSTEMS LORAL, LLC	Annex 1 to Nonreimbursable Umbrella Space Act Agreement between NASA ARC and Space Systems Loral for Robotic and Spacecraft Technology Research	4/16/2020	4/16/2023	Non-Reimbursable	\$62,229	ARC	SAA2-403528-1
157	31847	SPACE SYSTEMS LORAL, LLC	Reimbursable Umbrella Space Act Agreement between NASA ARC and Space Systems Loral for Robotic and Spacecraft Technology Research	4/16/2020	4/16/2025	Non-Reimbursable	\$0	ARC	SAA2-403528
158	31788	STATE OF CALIFORNIA, Department of Transportation	Reimbursable Space Act Agreement between NASA Ames Research Center and State of California Department of Transportation	2/19/2021	2/19/2024	Reimbursable	-----	ARC	SAA2-403526
159	31732	University of Guam	Reimbursable Space Act Agreement between NASA Ames Research Center and University of Guam	5/15/2021	5/15/2022	Reimbursable	-----	ARC	SAA2-403524
160	31474	Uber Technologies Inc	Annex between the National Aeronautics and Space Administration Ames Research Center and Uber Technologies Inc under Space Act Umbrella Agreement No. 27889, SAA2-403420 (Annex Number Two)	2/3/2020	2/3/2023	Non-Reimbursable	\$1,463,871	ARC	SAA2-403420-2

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
161	31447	Founder Institute, Incorporated	Nonreimbursable Space Act Umbrella Agreement between the National Aeronautics and Space Administration Ames Research Center and Founder Institute, Incorporated for the Fostering of Space Entrepreneurship	11/19/2019	11/19/2022	Non-Reimbursable	\$0	ARC	SAA2-403517
162	31359	Northrop Grumman Corporation	REIMBURSABLE SPACE ACT UMBRELLA AGREEMENT N	1/20/2020	1/20/2025	Reimbursable	-----	ARC	SAA2-403514
163	31234	GOOGLE, LLC	Reimbursable Space Act Agreement between NASA ARC ar	3/30/2020	3/29/2022	Reimbursable	-----	ARC	SAA2-403512
164	31044	NTT Research, Inc.	Reimbursable Space Act Agreement between the National A	11/12/2019	11/12/2024	Reimbursable	-----	ARC	SAA2-403506
165	30884	San Francisco International Airport	Reimbursable Umbrella Space Act Agreement between The	7/2/2019	7/2/2024	Reimbursable	-----	ARC	SAA2-403426

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
166	30834	Advanced Technologies Group, Inc.	Reimbursable Umbrella Space Act Agreement between NAS	12/20/2019	12/20/2024	Reimbursable	-----	ARC	SAA2-403500
167	30730	UNIVERSITY OF WASHINGTON	Annex between the National Aeronautics and Space Adminis	8/27/2019	8/27/2022	Reimbursable	-----	ARC	SAA2-403496-1
168	30729	UNIVERSITY OF WASHINGTON	Reimbursable Space Act Umbrella Agreement between the N	8/27/2019	8/27/2024	Reimbursable	-----	ARC	SAA2-403496
169	30601	SAN JOSE STATE UNIVERSITY	Annex One to Nonreimbursable Umbrella Space Act Agreement between the National Aeronautics and Space Administration Ames Research Center and San Jose State University to Facilitate Development of Nano-Satellite Sub-Systems and Sensors	6/20/2019	6/20/2022	Non-Reimbursable	\$19,719	ARC	SAA2-403280 -1
170	30598	SAN JOSE STATE UNIVERSITY	Nonreimbursable Umbrella Space Act Agreement between the National Aeronautics and Space Administration Ames Research Center and San Jose State University for TechEdSat N Academia Infusion	6/20/2019	6/20/2022	Non-Reimbursable	\$0	ARC	SAA2-403280

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
171	30453	Leland Stanford Junior University	Annex One under Reimbursable Umbrella Space Act Agree	12/16/2020	12/16/2021	Reimbursable	-----	ARC	SAA2-403497-1
172	30452	Leland Stanford Junior University	Reimbursable Umbrella Space Act Agreement between NAS	12/16/2020	12/16/2025	Reimbursable	-----	ARC	SAA2-403497
173	30437	Rockwell Collins, Inc	Nonreimbursable Space Act Agreement between the National Aeronautics and Space Administration Ames Research Center and Rockwell Collins, Inc. for Human-Autonomy Teaming Research	8/26/2019	8/26/2023	Non-Reimbursable	\$450,224	ARC	SAA2-403491
174	30244	GE Flight Efficiency Services, Inc.	Non-Reimbursable Space Act Umbrella Agreement Between the National Aeronautics and Space Administration Ames Research Center and GE Flight Efficiency Services, Inc. for Collaborative Development and Use of NASA ATM-X Testbed for Integrated ATM Research	9/12/2019	9/12/2024	Non-Reimbursable	\$0	ARC	SAA2-403486
175	30167	Airxos	Non-Reimbursable Space Act Agreement Between Airxos and NASA Ames for Unmanned Aircraft Systems Traffic Management.	4/5/2019	4/5/2022	Non-Reimbursable	\$24,585	ARC	SAA2-403422

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
176	30078	Iowa State University	Non-Reimbursable Space Act Agreement Between NASA Ames and Iowa State University (ISU) for Unmanned Aircraft Systems Traffic Management (UTM)	3/28/2019	3/28/2022	Non-Reimbursable	\$24,585	ARC	SAA2-403449
177	29967	American Space Industries, Inc.	Reimbursable Space Act Agreement Between NASA Ames and American Space Industries, Inc.	3/2/2019	3/2/2022	Reimbursable	-----	ARC	SAA2-403421
178	29856	Texas A&M Engineering Experiment Station	Non-Reimbursable Space Act Agreement Between NASA Ames and Texas AM Engineering Experiment Station for Investigating Additive Manufacturing of Thermal Protection Material	2/20/2019	2/20/2022	Non-Reimbursable	\$32,675	ARC	SAA2-403455
179	29462	Voltex Technology, Inc.	Reimbursable Space Act Agreement between the National Aeronautics and Space Administration and Voltex Technology, Inc.	7/31/2019	1/31/2022	Reimbursable	-----	ARC	SAA2-403466
180	29399	SkyTran Inc.	Annex One under Reimbursable Umbrella Space Act Agreement between NASA and SkyTran Inc.	7/2/2021	1/2/2023	Reimbursable	-----	ARC	SAA2-403462-1

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
181	29398	SkyTran Inc.	Reimbursable Umbrella Space Act Agreement between NAS	7/2/2021	7/2/2026	Reimbursable	-----	ARC	SAA2-403462
182	29380	The Boeing Company	Reimbursable Umbrella Space Act Agreement between NAS	4/27/2020	4/27/2025	Reimbursable	-----	ARC	SAA2-403460
183	28878	SOUTHWEST AIRLINES COMPANY	Non-Reimbursable Space Act Agreement between NASA Ames Research Center and Southwest Airlines for Development and Evaluation of an Air Traffic Management System	7/12/2019	1/12/2022	Non-Reimbursable	\$225,914	ARC	SAA2-403448
184	28735	UASidekick	Non-Reimbursable Space Act Agreement Between UASidekick and the National Aeronautics and Space Administration Ames Research Center for Unmanned Aircraft Systems Traffic Management	11/19/2018	11/19/2021	Non-Reimbursable	\$17,565	ARC	SAA2-403453
185	28415	Planetary Ventures, LLC	Temporary Construction License between NASA Ames and P	5/24/2018	12/31/9999	Reimbursable	-----	ARC	SAA2-403414

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
186	28264	UNIVERSITY OF CINCINNATI	Annex Three to the Nonreimbursable Umbrella Space Act Agreement between the University of Cincinnati and The National Aeronautics And Space Administration, Ames Research Center for Providing Educational Opportunities to Students to Evaluate Technology Transfer Opportunities	11/1/2018	11/1/2023	Non-Reimbursable	\$118,116	ARC	SAA2-402808-3
187	27956	Stratolaunch Federal Inc	Annex Five to the Reimbursable Umbrella Space Act Agreement	4/5/2018	12/6/2021	Reimbursable	-----	ARC	SAA2-403221-5
188	27940	Stratolaunch Systems Corporation	Annex 4 for Reimbursable Umbrella Space Act Agreement by	4/5/2018	12/6/2021	Reimbursable	-----	ARC	SAA2-403221-4
189	27918	Stratolaunch Federal Inc	Annex Three to the Reimbursable Umbrella Space Act Agreement	4/5/2018	12/6/2021	Reimbursable	-----	ARC	SAA2-403221-3
190	27890	Uber Technologies Inc	Annex One to the Non-Reimbursable Umbrella Space Act Agreement Between the National Aeronautics and Space Administration Ames Research Center and Uber Technologies Inc for Initial Modeling and Simulations of Urban Air Mobility Operations for Airspace Access and Scalability	5/4/2018	1/4/2022	Non-Reimbursable	\$604,820	ARC	SAA2-403420-1

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
191	27889	Uber Technologies Inc	Non-Reimbursable Umbrella Between the National Aeronautics and Space Administration Ames Research Center and Uber Technologies Inc for Research, Development, Testing and Evaluation of an Urban Air Mobility (UAM) System	5/4/2018	5/4/2023	Non-Reimbursable	\$0	ARC	SAA2-403420
192	27872	Space Exploration Technologies Corp	Reimbursable Umbrella Space Act Agreement Between the N	6/6/2018	6/6/2023	Reimbursable	-----	ARC	SAA2-403419
193	27787	GOOGLE, LLC	Non-Reimbursable Space Act Agreement Between the National Aeronautics and Space Administration Ames Research Center and Google LLC to Analyze the Utilization and Assessment of Googles Emerging Quantum Processors	7/3/2018	7/3/2023	Non-Reimbursable	\$680,962	ARC	SAA2-403407
194	27617	Blue Origin, LLC	Annex One to the Reimbursable Umbrella Space Act Agreement	7/13/2018	7/13/2023	Reimbursable	-----	ARC	SAA2-403403-1
195	27616	Blue Origin, LLC	Reimbursable Umbrella Space Act Agreement Between the N	7/13/2018	7/13/2023	Reimbursable	-----	ARC	SAA2-403403

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
196	27441	AgustaWestland Philadelphia Corporation	Reimbursable Umbrella Space Act Agreement Between the National Aeronautics and Space Administration and AgustaWestland Philadelphia Corporation	1/29/2018	1/29/2023	Reimbursable	-----	ARC	SAA2-403286
197	26743	INTEL CORP	Non-Reimbursable Space Act Agreement between the National Aeronautics and Space Administration Ames Research Center and Intel Corporation for Collaboration to Evaluate NASA's Computational Performance	9/20/2017	9/19/2022	Non-Reimbursable	\$106,091	ARC	SAA2-403249
198	26364	Walmart Stores, Inc	Nonreimbursable Space Act Agreement between Walmart Stores, Inc and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aircraft Systems Traffic Management	7/31/2017	7/31/2022	Non-Reimbursable	\$102,925	ARC	SAA2-403248
199	26363	The Boeing Company	Nonreimbursable Space Act Agreement between The Boeing Company and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aircraft Systems Traffic Management	7/31/2017	7/31/2022	Non-Reimbursable	\$102,925	ARC	SAA2-403229
200	26361	THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY	Nonreimbursable Umbrella Space Act Agreement between the National Aeronautics and Space Administration, Ames Research Center and Port Authority of New York and New Jersey for Capacity Improvement and Delay Reduction in the New York Metroplex	7/31/2017	7/31/2022	Non-Reimbursable	\$0	ARC	SAA2-403156

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
201	26320	Northeast UAS Airspace Integration Research Alliance, Inc.	Reimbursable Space Act Agreement between the National Aeronautics and Space Administration, Ames Research Center and Northeast UAS Airspace Integration Research Alliance, Inc. for UAS Traffic Management	7/31/2017	7/31/2022	Reimbursable	-----	ARC	SAA2-403197
202	26319	Northeast UAS Airspace Integration Research Alliance, Inc.	Nonreimbursable Space Act Agreement between the National Aeronautics and Space Administration, Ames Research Center and Northeast UAS Airspace Integration Research Alliance, Inc. for UAS Traffic Management	7/31/2017	7/31/2022	Non-Reimbursable	\$102,925	ARC	SAA2-403196
203	26114	Botlink, LLC	Nonreimbursable Space Act Agreement between Botlink, LLC and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aircraft Systems Traffic Management	5/13/2017	5/13/2022	Non-Reimbursable	\$102,925	ARC	SAA2-403261
204	26113	Carbon Autonomous Systems LLC	Nonreimbursable Space Act Agreement between Carbon Autonomous Systems LLC and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aircraft Systems Traffic Management	5/10/2017	5/10/2022	Non-Reimbursable	\$1,000	ARC	SAA2-403257
205	26112	Skyskopes	Nonreimbursable Space Act Agreement between Skyskopes and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aircraft Systems Traffic Management	5/10/2017	5/10/2022	Non-Reimbursable	\$102,925	ARC	SAA2-403259

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
206	26110	Drone America	Nonreimbursable Space Act Agreement between Drone America and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aircraft Systems Traffic Management	5/11/2017	5/11/2022	Non-Reimbursable	\$1,000	ARC	SAA2-403253
207	26108	ISight RPV Services	Nonreimbursable Space Act Agreement between ISight RPV Services and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aircraft Systems Traffic Management	5/11/2017	5/11/2022	Non-Reimbursable	\$102,925	ARC	SAA2-403265
208	25922	Unmanned Applications Institute International	Nonreimbursable Space Act Agreement between Unmanned Applications Institute International and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aircraft Systems Traffic Management	5/11/2017	5/11/2022	Non-Reimbursable	\$102,925	ARC	SAA2-403260
209	25787	The General Electric Company	Reimbursable Space Act Agreement between the National A	5/17/2017	5/17/2022	Reimbursable	-----	ARC	SAA2-403256
210	25578	General Atomics Aeronautical System	Reimbursable Umbrella Space Act Agreement between the N	4/20/2017	4/20/2022	Reimbursable	-----	ARC	SAA2-403246

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
211	25495	Sapphire Innovation Solutions, Inc.	Nonreimbursable Space Act Agreement between Sapphire Innovation Solutions, Inc. and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aircraft Systems Traffic Management	4/3/2017	4/3/2022	Non-Reimbursable	\$1,000	ARC	SAA2-403251
212	25494	Flyspan Systems, Inc.	Nonreimbursable Space Act Agreement between Flyspan Systems, Inc. and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aircraft Systems Traffic Management	4/3/2017	4/3/2022	Non-Reimbursable	\$1,000	ARC	SAA2-403250
213	25213	Rigetti Computing	Nonreimbursable Space Act Agreement between the National Aeronautics and Space Administration, Ames Research Center and Rigetti Computing to Asses a Gate-Based Quantum Computing Processor for Meeting Complex Computing Challenges	2/28/2017	2/28/2022	Non-Reimbursable	\$129,036	ARC	SAA2-403167
214	25069	IAI North America	Nonreimbursable Space Act Agreement between IAI North America and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aircraft Systems Traffic Management	2/3/2017	2/3/2022	Non-Reimbursable	\$100,162	ARC	SAA2-403233
215	25006	GoPro, Inc.	Nonreimbursable Space Act Agreement between GoPro, Inc. and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aircraft Systems Traffic Management	1/26/2017	1/26/2022	Non-Reimbursable	\$100,162	ARC	SAA2-403190

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
216	24991	Uber Technologies, Inc.	Nonreimbursable Space Act Agreement between Uber Technologies, Inc. and the National Aeronautics and Space Administration, Ames Research Center for Unmanned Aircraft Systems Traffic Management	1/26/2017	1/26/2022	Non-Reimbursable	\$100,162	ARC	SAA2-403231
217	24921	H211, LLC	Nonreimbursable Space Act Agreement between the National Aeronautics and Space Administration, Ames Research Center and H211, LLC for Earth Observations in Support of Air Pollution and Climate Change Research	1/17/2017	1/17/2022	Non-Reimbursable	\$1,243,691	ARC	SAA2-403236
218	24749	STRATOLAUNCH SYSTEMS CORP	Annex One to the Reimbursable Umbrella Space Act Agreement between the National Aeronautics and Space Administration, Ames Research Center and Stratolaunch Systems Corporation	12/6/2016	12/6/2021	Reimbursable	-----	ARC	SAA2-403221-1
219	24748	Stratolaunch Systems Corporation	Reimbursable Umbrella Space Act Agreement between the National Aeronautics and Space Administration, Ames Research Center and Stratolaunch Systems Corporation	12/6/2016	12/6/2021	Reimbursable	-----	ARC	SAA2-403221
220	24643	AT&T Government Solutions	Annex One to the Nonreimbursable Umbrella Space Act Agreement between the National Aeronautics and Space Administration, Ames Research Center and AT&T Government Solutions for Unmanned Aerial Systems Traffic Management	10/26/2016	10/26/2021	Non-Reimbursable	\$22,039	ARC	SAA2-403109-1

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
221	24548	AT&T Government Solutions	Nonreimbursable Umbrella Space Act Agreement between the National Aeronautics and Space Administration, Ames Research Center and AT&T Government Solutions for Unmanned Aerial Systems Traffic Management	10/26/2016	10/26/2021	Non-Reimbursable	\$0	ARC	SAA2-403109
222	24366	The City of Charlotte	Non-Reimbursable Space Act Agreement with the City of Charlotte, Charlotte Douglas International Airport for Laboratory Space and Data Sharing	10/5/2016	5/5/2023	Non-Reimbursable	\$7,500	ARC	SAA2-403163
223	22051	American Airlines, Inc.	Nonreimbursable Space Act Agreement between the National Aeronautics and Space Administration, Ames Research Center and American Airlines, Inc. for Human Factors Fatigue Research	1/5/2016	11/5/2021	Non-Reimbursable	\$677,303	ARC	SAA2-403013
224	17091	CITY OF SUNNYVALE	Lease Agreement - Sunnyvale Golf Course	5/24/2002	5/24/2022	Reimbursable	-----	ARC	SAA2-401308
225	16543	UNIVERSITY OF CINCINNATI	Nonreimbursable Umbrella Space Act Agreement between U	11/6/2013	11/6/2023	Non-Reimbursable	-----	ARC	SAA2-402808

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
226	15238	US Airways, Inc.	Nonreimbursable Space Act Agreement Between US Airways	4/23/2013	9/23/2022	Non-Reimbursable	-----	ARC	SAA2-402733
227	4900	AMES CHILD CARE CENTER	Nonreimbursable Space Act Agreement Between NASA Ames	5/19/2005	12/31/2022	Non-Reimbursable	-----	ARC	SAA2-401816
228	35263	Space Exploration Technology Corp	2624 Payload Attach Fitting Model Testing (Annex No. 1)	9/21/2021	9/21/2022	Reimbursable	-----	GRC	SAA3-1708-1
229	35262	Space Exploration Technologies Corp	SPACEFLIGHT AND SPACEFLIGHT HARDWARE RELATE	9/21/2021	9/21/2026	Reimbursable	-----	GRC	SAA3-1708
230	35018	AURA Network Systems	Annex 2 to Advanced Air Mobility Technology Research and Demonstration Activities with AURA Network Systems (2021 ARMD ACO Award)	7/6/2021	7/6/2026	Non-Reimbursable	\$650,975	GRC	GRC PAM NO 35018

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
231	34788	Cleveland State University	System Reliability Models for Revolutionary Vertical Lift Technologies with Cleveland State University	9/13/2021	9/13/2022	Non-Reimbursable	\$7,250	GRC	SAA3-1701
232	34557	SPACE EXPLORATION TECHNOLOGIES	Starlink Modal Testing	5/21/2021	5/21/2022	Reimbursable	-----	GRC	SAA3-1691
233	34516	Aerojet Rocketdyne, Inc.	Annex 6 to Upper Stage Engine Manufacturing, Testing, and	7/28/2021	7/28/2022	Reimbursable	-----	GRC	SAA3-1639-6
234	34510	Aerojet Rocketdyne, Inc.	Advanced Electric Propulsion System (AEPS) Power Process	7/27/2021	11/27/2022	Reimbursable	-----	GRC	SAA3-1639-05
235	34340	National Technology and Engineering Solutions of Sandia, LLC	Robust, Autonomous, Fault-Tolerant DC Microgrids	7/21/2021	7/21/2023	Non-Reimbursable	\$503,717	GRC	SAA3-1690

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
236	34317	UNIVERSITY OF NOTRE DAME	Collaborative Research for Fan Noise Generation and Propagation on Advanced Noise Control Fan (ANCF)	5/26/2021	5/26/2026	Non-Reimbursable	\$80,095	GRC	SAA3-1688
237	33997	The SMART Tire Company, LLC	Shape Memory Alloy Modeling and Development with Smart	4/11/2021	4/11/2023	Reimbursable	-----	GRC	SAA3-1679
238	33936	JumpStart, Inc.	Commercialization of NASA GRC Technology Efforts with JumpStart, Inc.	4/1/2021	4/1/2026	Non-Reimbursable	\$43,342	GRC	SAA3-1678
239	33919	Greater Cleveland Partnership	COMPASS Study for Wi-Fi Communications Assessment (Greater Cleveland Partnership)	2/4/2021	2/4/2022	Non-Reimbursable	\$95,405	GRC	SAA3-1677
240	33851	Space Exploration Technologies Corp	Rideshare Dispenser Modal Test	2/8/2021	2/8/2022	Reimbursable	-----	GRC	SAA3-1676

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
241	33599	Acree Technologies, Inc.	High Temperature Sensors for Advanced Combustion Turbine	4/30/2021	4/30/2022	Reimbursable	-----	GRC	SAA3-1674
242	33534	The Ohio State University	In-Situ 3-D Printing of Wireless Implant with The Ohio State University	12/2/2020	12/2/2022	Non-Reimbursable	\$31,189	GRC	SAA3-1670
243	33465	Emerson Climate Technologies, Inc.	Gas Bearing Subject Matter Expertise for Emerson, USA	3/8/2021	3/8/2022	Non-Reimbursable	\$5,697	GRC	SAA3-1671
244	33443	ZIN TECHNOLOGIES, INC	Annex No. 03 to SAA3-1662 for Use of Thermal Vacuum Lab	12/10/2020	12/10/2023	Reimbursable	-----	GRC	SAA3-1662-03
245	33050	Amazon.Com Services, LLC.	Annex No. 1 under SAA3-1663 Electric Propulsion Thruster C	1/5/2021	1/5/2022	Reimbursable	-----	GRC	SAA3-1663-01

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
246	33049	Amazon.Com Services, LLC.	Spacecraft Electric Propulsion Component Development, Ma	1/5/2021	1/5/2026	Reimbursable	-----	GRC	SAA3-1663
247	33024	CesiumAstro, Inc.	SmallSat Ka-band Operations User Terminal (SKOUT) Flight Experiments with CesiumAstro	12/2/2020	12/2/2025	Non-Reimbursable	\$150,568	GRC	SAA3-1664
248	32831	Ozark Integrated Circuits Inc.	Fabrication of SiC Integrated Circuits for a Multi-Chip Micropr	11/2/2020	11/2/2023	Reimbursable	-----	GRC	SAA3-1661
249	32535	ZIN TECHNOLOGIES, INC	Use of Unique NASA Facilities: Electromagnetic Interference	8/12/2020	8/12/2023	Reimbursable	-----	GRC	SAA3-1662-1
250	32534	ZIN TECHNOLOGIES, INC	Use of Unique NASA Facilities (EMI Lab, SDL, TVAC)	8/11/2020	8/11/2025	Reimbursable	-----	GRC	SAA3-1662

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
251	32526	Emergency Products and Research, Inc.	COVID-19: Technical Expertise and Test Data Analysis for Emergency Products and Research, Inc.	4/24/2020	4/24/2022	Non-Reimbursable	\$52,368	GRC	SAA3-1654
252	32398	University Hospitals of Cleveland	COVID-19 Sterilization of Personal Protective Equipment	4/2/2020	4/2/2022	Non-Reimbursable	\$81,654	GRC	SAA3-1653
253	32206	CASE WESTERN RESERVE UNIVERSITY	A Systematic Data-Analytics Approach to the Design of Interface-Rich Materials	4/15/2021	4/15/2023	Non-Reimbursable	\$21,455	GRC	SAA3-1681
254	32178	GENERAL ELECTRIC COMPANY	High Temperature Testing of Additive Heat Pipes	11/2/2020	11/2/2021	Non-Reimbursable	\$7,367	GRC	SAA3-1659
255	32160	Aerojet Rocketdyne, Inc.	Annex No. 2 under SAA3-1639 to Upper Stage Engine Manu	10/16/2020	10/16/2021	Reimbursable	-----	GRC	SAA3-1639-2

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
256	32093	HONEYWELL INTERNATIONAL, INC.	Honeywell CLEEN-II Testing in Glenn Advanced Subsonic C	12/2/2020	12/2/2025	Reimbursable	-----	GRC	SAA3-1675
257	31980	BLUE ORIGIN, LLC	Demonstration of Pre-Environmental Testing of Fairing Comp	8/7/2020	8/7/2022	Reimbursable	-----	GRC	SAA3-1609-2
258	31604	Epic Aircraft , LLC	Ice Protection System Development Activities for Epic Aircraft	3/2/2020	3/2/2022	Reimbursable	-----	GRC	SAA3-1650
259	31589	Southwest Research Institute	Great Horned Owl Demonstration and Validation Program with Southwest Research Institute	5/13/2020	5/13/2023	Non-Reimbursable	\$21,468	GRC	SAA3-1658
260	31584	The Charles Stark Draper Laboratory	Collaborative Development of High Temperature SiC Electro	1/15/2020	1/15/2022	Reimbursable	-----	GRC	SAA3-1646

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
261	31550	Scott Schlessman	Farmer Lease for Agricultural Purpose Parcel K	4/15/2019	4/14/2024	Reimbursable	-----	GRC	PBS2019SS004
262	31546	Rockwell Farms LLC	Farmer Lease for Agricultural Purposes Parcel M	4/15/2019	4/14/2024	Reimbursable	-----	GRC	PBS2019RF005
263	31544	Krueger Farms, LLC	Farmer Lease for Agricultural Purposes Parcel C	4/15/2019	4/14/2024	Reimbursable	-----	GRC	PBS2019KF001
264	31542	David & Mary K. Schlessman	Farmer Lease for Agricultural Purposes Parcel J	4/15/2019	4/14/2024	Reimbursable	-----	GRC	PBS2019DM003
265	31540	DMS Farms, LTD	Farmer Lease for Agricultural Purposes Parcel G	4/15/2019	4/14/2024	Reimbursable	-----	GRC	PBS2019DM002

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
266	31423	UNIVERSITY OF PITTSBURGH	Calculation of EBC thermodynamics properties from machine learning-derived atomistic potentials	10/26/2020	10/26/2021	Non-Reimbursable	\$12,144	GRC	SAA3-1668
267	31407	OHIO DEPARTMENT OF NATURAL RESOURCES	A Series of Public Deer Hunts at Plum Brook Station	11/15/2019	11/15/2024	Non-Reimbursable	\$167,603	GRC	SAA3-1632
268	31374	GE Research	COLLABORATIVE DEVELOPMENT OF FINITE ELEMENT HPC MULTISCALE MODELING FRAMEWORK	4/30/2020	4/30/2024	Non-Reimbursable	\$157,736	GRC	SAA3-1656
269	31344	GREAT LAKES SCIENCE CENTER	The Official NASA Glenn Visitor Center	9/30/2019	9/30/2029	Non-Reimbursable	\$0	GRC	SAA3-1630
270	31247	Terves Inc.	Technical Expertise Space Act Agreement for Terves, LLC.	12/10/2019	12/10/2021	Non-Reimbursable	\$7,099	GRC	SAA3-1643

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
271	31246	Applied Sciences, Inc.	Technical Expertise Space Act Agreement for Applied Sciences	11/6/2019	11/6/2021	Non-Reimbursable	\$6,960	GRC	SAA3-1638
272	31245	SafeLi Materials	Technical Expertise Space Act Agreement for SafeLi Materials	10/29/2019	10/29/2021	Non-Reimbursable	\$6,910	GRC	SAA3-1635
273	31132	Acme Express, Inc.	Technical Expertise Space Act Agreement for Acme Express, Inc.	10/19/2019	10/19/2021	Non-Reimbursable	\$7,122	GRC	SAA3-1633
274	31055	Launchspace Technologies Corporation	Aerogel Material for Orbital Debris Capture	4/30/2020	4/30/2022	Reimbursable	-----	GRC	SAA3-1655
275	30756	Aerojet Rocketdyne, Inc.	Upper Stage Engine Manufacturing, Testing, and Evaluation	11/18/2019	11/18/2024	Reimbursable	-----	GRC	SAA3-1639

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
276	30392	Rocky River Watershed Council	Restoring Lower Abram Creek at NASA Glenn Research Center	6/24/2019	6/24/2024	Non-Reimbursable	\$3,302	GRC	SAA3-1615
277	30296	ANSYS Inc.	Collaboration on Icing Simulation Software Development	1/27/2020	1/27/2024	Non-Reimbursable	\$114,343	GRC	SAA3-1647
278	30295	THE BOEING COMPANY	Collaborative Icing Research, Simulation Tool Development and Testing Opportunities	3/12/2020	3/12/2023	Non-Reimbursable	\$59,152	GRC	SAA3-1652
279	30155	United Technologies Corporation	HEATheR Thermal Management Systems Modeling	1/13/2020	1/13/2022	Non-Reimbursable	\$8,655	GRC	SAA3-1645
280	30133	CEDAR POINT AMUSEMENT PARK	Math and Science Week Events at Cedar Point Amusement Park	5/20/2019	5/20/2022	Non-Reimbursable	\$66,429	GRC	SAA3-1611

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
281	29849	GENERAL ATOMICS AERONAUTICS	Ice Shape Investigations for General Atomics	5/13/2019	10/25/2021	Reimbursable	-----	GRC	SAA3-1607
282	29566	A and P Technology, Inc.	Dynamic Energy Absorption in Braided Composite Materials with A and P Technology, Inc.	6/11/2019	6/1/2024	Non-Reimbursable	\$276,623	GRC	SAA3-1612
283	29559	LOCKHEED MARTIN	Combined-Cycle Engine Large-scale Inlet Mode Transition (CCE-LIMX) CFD Studies	4/2/2019	4/2/2022	Non-Reimbursable	\$17,080	GRC	SAA3-1601
284	29551	SureFly, Inc.	Acoustic Measurements on electrified Vertical Take-Off and Landing Urban Air Mobility Vehicle with SureFly, Inc.	8/16/2019	8/16/2024	Non-Reimbursable	\$354,701	GRC	SAA3-1597
285	29243	Orleans Niagara Board of Cooperative Educational Services	High School Students United with NASA to Create Hardware (HUNCH)	7/14/2017	7/14/2022	Non-Reimbursable	\$149,717	GRC	SAA3-1520

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
286	28854	California Institute of Technology	Failure Analysis of Modified Environmental Barrier Coatings (EBC)	3/6/2019	3/6/2022	Non-Reimbursable	\$14,614	GRC	SAA3-1599
287	28821	Ozark Integrated Circuits, Inc.	Testing of Extreme High Temperature Capable SiC Integrate	10/22/2018	10/22/2021	Reimbursable	-----	GRC	SAA3-1581
288	28651	UNIVERSITY OF CINCINNATI	HABSat-2 – Harmful Algal Bloom Satellite 2 with the University of Cincinnati	6/11/2019	12/31/2023	Non-Reimbursable	\$145,450	GRC	SAA3-1613
289	28638	GENERAL ELECTRIC COMPANY	Electrified Aircraft Propulsion (EAP) Powertrain Component Testing	9/14/2018	2/28/2022	Non-Reimbursable	\$1,963,492	GRC	SAA3-1573
290	28235	Textron Aviation, Inc.	Ice Protection System Development Activities for Textron Avi	2/27/2019	2/27/2022	Reimbursable	-----	GRC	SAA3-1598

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
291	28214	ROLLS-ROYCE CORP	Silicon Carbide Fiber High Temperature Characterization	1/14/2020	1/14/2024	Reimbursable	-----	GRC	SAA3-1606-1
292	28213	ROLLS-ROYCE CORP	Testing and Analysis of Advanced Turbine Engine Materials,	1/14/2020	1/14/2025	Reimbursable	-----	GRC	SAA3-1606
293	28172	BLUE ORIGIN, LLC	Environmental Testing for Fairing Deployment at Plum Brook	5/20/2019	5/20/2024	Reimbursable	-----	GRC	SAA3-1609-1
294	28171	BLUE ORIGIN, LLC	Environmental Testing at Plum Brook Station	5/20/2019	5/20/2024	Reimbursable	-----	GRC	SAA3-1609
295	28028	The Boeing Company	High Ice Water Content Radar II Flight Campaign Support	5/13/2019	5/13/2022	Non-Reimbursable	\$17,750	GRC	SAA3-1608

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
296	27738	GENERAL ELECTRIC COMPANY	GE Aviation Low Pressure Ratio Fan and Inlet Technology Test	6/26/2019	6/26/2022	Reimbursable	-----	GRC	SAA3-1587
297	27606	THE BOEING COMPANY	Shape Memory Alloy Reconfigurable Technology - Vortex Generator (SMART-VG) with The Boeing Company	12/6/2018	12/6/2021	Non-Reimbursable	\$184,268	GRC	SAA3-1589
298	27430	WOODWARD FST, INC	Fundamental Testing of Advanced SV-LDI Low-Emissions Fuel-Air Mixers	10/22/2018	10/22/2021	Non-Reimbursable	\$287,914	GRC	SAA3-1580
299	27174	GENERAL ELECTRIC COMPANY	GE Low Pressure Ratio Fan Test	3/28/2019	3/28/2024	Non-Reimbursable	\$5,452,479	GRC	SAA3-1588
300	26982	Kettering City Schools	NASA HUNCH (High school students United with NASA to Create Hardware)	3/14/2018	3/14/2023	Non-Reimbursable	\$97,136	GRC	SAA3-1545

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
301	26825	ASM INTERNATIONAL	Material Data Management Consortium with ASM International	3/27/2018	3/27/2022	Reimbursable	-----	GRC	SAA3-1550
302	26750	The University of Tulsa	Cognitive Multiple User Free Space Optical Link Study - TU	1/7/2018	1/7/2022	Non-Reimbursable	\$17,702	GRC	SAA3-1532
303	26450	Genesee Valley Educational Partnership	NASA HUNCH (High school students United with NASA to Create Hardware)	5/6/2018	5/6/2023	Non-Reimbursable	\$97,136	GRC	SAA3-1564
304	26343	J.I. Case High School	NASA HUNCH (High school students United with NASA to Create Hardware)	3/14/2018	3/14/2023	Non-Reimbursable	\$91,486	GRC	SAA3-1547
305	26342	North Ridgeville High School	NASA HUNCH (High school students United with NASA to Create Hardware)	3/27/2018	3/27/2023	Non-Reimbursable	\$97,136	GRC	SAA3-1554

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
306	26341	PLATTEVILLE HIGH SCHOOL	NASA HUNCH (High school students United with NASA to Create Hardware)	4/22/2018	4/22/2023	Non-Reimbursable	\$92,620	GRC	SAA3-1560
307	25538	Cattaraugus-Allegany Board of Cooperative Educational Services	NASA HUNCH (High school students United with NASA to Create Hardware)	3/27/2018	3/27/2023	Non-Reimbursable	\$91,486	GRC	SAA3-1553
308	25289	East Troy Community School District	NASA HUNCH (High school students United with NASA to Create Hardware)	3/14/2018	3/14/2023	Non-Reimbursable	\$92,620	GRC	SAA3-1546
309	24838	Global Energy Corporation	Development and Testing of a High Power Space Generator	1/7/2018	1/7/2023	Reimbursable	-----	GRC	SAA3-1529
310	24459	ZIN TECHNOLOGIES, INC	Use of Unique NASA Facilities (EMI Lab, TSC, 1K Clean room)	3/5/2018	3/5/2023	Reimbursable	-----	GRC	SAA3-1539

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
311	23430	American Technical Coatings, Inc.	Ballistic Radome Development	5/11/2017	9/30/2021	Reimbursable	-----	GRC	SAA3-1513
312	22817	Pennsylvania State University Applied Research Laboratory	High-Speed Gear Studies	11/29/2016	11/29/2021	Non-Reimbursable	\$431,929	GRC	SAA3-1495
313	22356	Orbital Sciences Corporation	NASA Research Announcement: NNH15ZOA001N: Public Private Partnership for Robotic In-Space Manufacturing and Assembly of Spacecraft and Space Structures	10/3/2016	10/3/2021	Non-Reimbursable	\$131,737	GRC	SAA3-1491
314	21691	Hathaway Brown School	STEM Collaboration with Hathaway Brown School	4/25/2016	4/25/2022	Reimbursable	-----	GRC	SAA3-1466
315	21329	Case Western Reserve University	Development of Real-Time Particulate and Toxic-Gas Senso	11/20/2015	4/25/2022	Reimbursable	-----	GRC	SAA3-1435

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
316	20864	Lewis Little Folks, Incorporated	Lewis Little Folks Space Act Agreement	7/11/2017	7/11/2022	Non-Reimbursable	\$493,128	GRC	SAA3-1494
317	20780	Friends of NASA Plum Brook Station, LLC	Plum Brook Station Entry Monument Sign	3/19/2018	3/19/2023	Non-Reimbursable	\$5,452	GRC	SAA3-1544
318	35013	Bishop McNamara High School	NASA CONNECTORS (Connecting Hight School Students to Reasearchers)	8/24/2021	8/23/2023	Non-Reimbursable	\$70,100	GSFC	
319	34656	GEORGE WASHINGTON UNIVERSITY	Joint Collaborative Framework for Astrophysical Studies	10/27/2021	10/26/2026	Non-Reimbursable	\$51,200	GSFC	NASA-GWU-34656
320	34562	The University of Maryland	AUGMENTED REALITY AND VIRTUAL REALITY PROGRAM DEVELOPMENT	7/1/2021	7/1/2023	Non-Reimbursable	\$16,800	GSFC	SAA5-21-2-N34562

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
321	34265	University of Maryland Eastern Shore	Space Exploration, Science and Engineering Research, Business, Computer Science, and STEM Initiatives	9/24/2021	9/23/2026	Non-Reimbursable	\$8,211	GSFC	GSFC-21-34265
322	34264	University of Maryland Eastern Shore	Space Exploration, Science and Engineering Research, Business, Computer Science and Stem Inititatives	9/23/2021	9/23/2026	Non-Reimbursable	\$0	GSFC	GSFC-21-34264 NRSAA Umbrella
323	34065	UNITED LAUNCH ALLIANCE, LLC	Annex 4 to ULA Umbrella with Annexes for launch vehicle su	6/7/2021	6/7/2026	Reimbursable	-----	GSFC	450-AGMT-0180
324	34064	UNITED LAUNCH ALLIANCE, LLC	Annex 3 to ULA Umbrella with Annexes for launch vehicle su	6/7/2021	6/7/2026	Reimbursable	-----	GSFC	450-AGMT-0180
325	34061	UNITED LAUNCH ALLIANCE, LLC	Annex 2 to ULA Umbrella with Annexes for launch vehicle su	6/11/2021	6/11/2026	Reimbursable	-----	GSFC	450-AGMT-0180

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
326	34020	UNITED LAUNCH ALLIANCE, LLC	Annex 1 under the ULA Umbrella for launch vehicle support	6/8/2021	6/8/2026	Reimbursable	-----	GSFC	450-AGMT-0180
327	34019	UNITED LAUNCH ALLIANCE, LLC	ULA Umbrella with Annexes for launch vehicle support	6/8/2021	6/8/2026	Reimbursable	-----	GSFC	450-AGMT-0180
328	33729	Prince George's County, Maryland	Facilitation of Commercial Utilization of NASA Technologies for Medical Applications	1/19/2021	1/18/2023	Non-Reimbursable	\$23,000	GSFC	SAA5-2021-1-N33729
329	33525	International High School at Largo	Dissemination of NASA Technologies for Educational Entrepreneurship and Commercialization Studies by Students	4/30/2021	4/30/2024	Non-Reimbursable	\$10,500	GSFC	
330	33419	LightWave Logic Inc.	Collaboration on Ultra-Wide Band (UWB) Antenna-Coupled Electro-Optic Modulator (EOM)	11/16/2020	11/16/2021	Non-Reimbursable	\$165,000	GSFC	SAA5-20-4-N33419

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
331	33416	Maryland Technology Development Corporation	Economic Development	11/1/2020	11/1/2023	Non-Reimbursable	\$61,400	GSFC	SAA5-2020-33416
332	33369	Federal Business Council	Collaboration on Cybersecurity Awareness	1/27/2021	1/27/2026	Non-Reimbursable	\$25,000	GSFC	SAA5-20-4-N33369
333	33198	CORNELL UNIVERSITY	Cornell University for Collaborative Exploration and Engineering for Thermal Design, Flight Dynamics and Robotic Sample	10/21/2020	10/21/2022	Non-Reimbursable	\$346,000	GSFC	
334	32951	Telophase Corporation	Transfer of Sensing Technologies for Development of a Prototype Rapid Testing Breathalyzer	1/26/2021	1/26/2023	Non-Reimbursable	\$44,835	GSFC	SAA5-2021-1-A32950
335	32950	Telophase Corporation	Rapid Detection of Changing Bio-signatures from Existing Pathogens or New Virus Profiles	1/15/2021	1/14/2024	Non-Reimbursable	\$0	GSFC	SAA5-2021-1-U32950

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
336	32893	L.Garde, Inc.	Development Inflatable Communication Antenna Structures using Green Carbon Foams	4/20/2021	4/20/2024	Non-Reimbursable	\$108,100	GSFC	SAA5-20-4-N32893
337	32879	JOHNS HOPKINS UNIVERSITY / AF	AUGMENTED REALITY AND VIRTUAL REALITY DEVELOPMENT	8/13/2010	8/13/2023	Non-Reimbursable	-----	GSFC	SAA5-20-3-N32879
338	32803	Orbit Fab, Inc	Grapple Fixture Evaluation	3/5/2021	3/4/2022	Non-Reimbursable	\$39,000	GSFC	
339	32802	HONEYBEE ROBOTICS, LTD	Grapple Fixture Evaluation	11/15/2020	11/14/2022	Non-Reimbursable	\$39,000	GSFC	
340	32725	University of Texas at Austin	annex to Outreach for Space Operations and Mission Problems	10/15/2020	6/8/2025	Non-Reimbursable	\$26,000	GSFC	SAA5-20-3-N32725-A2

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
341	32661	Maryland Department of the Environment	Supporting Shellfish Aquaculture in the Chesapeake Bay using Artificial Intelligence to Detect Poor Water Quality through Sampling and Remote Sensing	6/17/2021	6/17/2023	Non-Reimbursable	\$231,000	GSFC	NASA-MDE-32661
342	32654	Altius Space Machines, Inc	Grapple Fixture Evaluation	10/6/2020	10/5/2022	Non-Reimbursable	\$39,000	GSFC	
343	32490	THE UNIVERSITY OF NORTH TEXAS	AUGMENTED REALITY AND VIRTUAL REALITY DEVELOPMENT FOR NASA SCIENCE AND ENGINEERING	6/10/2020	6/10/2023	Non-Reimbursable	\$16,800	GSFC	SAA5-20-3-N32490
344	31812	University of Texas at Austin	Outreach for Space Operations and Mission Problems	6/8/2020	6/7/2025	Non-Reimbursable	\$56,859	GSFC	31811
345	31811	University of Texas at Austin	Outreach for Space Operations and Mission Problems	6/8/2020	6/7/2025	Non-Reimbursable	\$0	GSFC	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
346	31605	Earth Networks, Inc.	INFORMATION AND DATA EXCHANGE RELATED TO THE GLOBE PROGRAM	4/29/2020	4/29/2025	Non-Reimbursable	\$17,600	GSFC	SAA5-20-2-N31605
347	31591	UNIVERSITY OF MARYLAND COLLEGE PARK	AUGMENTED REALITY AND VIRTUAL REALITY DEVELOPMENT FOR NASA SCIENCE AND ENGINEERING	9/24/2020	9/24/2023	Non-Reimbursable	\$16,800	GSFC	SAA5-20-1-N31591
348	31191	NORTHROP GRUMMAN	ACCESS AND USE OF GSFC ENVIRONMENTAL TEST AN	6/16/2020	6/15/2025	Reimbursable	-----	GSFC	SAA5-19-4-R31191
349	31175	Walgreen Company	NASA GSFC Non-Occupational fee-based influenza clinic	11/12/2019	11/12/2024	Non-Reimbursable	\$420,000	GSFC	
350	31033	Women's National Basketball Players Association	COLLABORATION ON AWARENESS OF NASA TECHNOLOGIES FOR ENTREPRENEURIAL OPPORTUNITIES	10/3/2019	10/3/2022	Non-Reimbursable	\$112,500	GSFC	SAA5-19-4-N31033

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
351	30946	NORTHROP GRUMMAN	Fiber Optic Cable Testing Activities	8/18/2020	2/17/2022	Reimbursable	-----	GSFC	SAA5-2020-1-R30946
352	30569	THE JOHNS HOPKINS UNIVERSITY	Fabricating cryogenic detectors for cosmic microwave background	9/18/2019	1/23/2022	Reimbursable	-----	GSFC	SAA5-19-4-R30569
353	30478	THE TRUSTEES OF COLUMBIA UNIVERSITY	Development of Teaching Activities	8/29/2019	8/28/2024	Reimbursable	-----	GSFC	CU-NASA-30478
354	29854	Ball Aerospace and Technology Corp	HIGH ACCURACY, CRYOGENIC, REFRACTIVE INDEX MEASUREMENTS	5/16/2019	10/26/2021	Reimbursable	-----	GSFC	SAA5-2019-2-R29854
355	29833	DIGITALGLOBE, INC	CONJUNCTION ASSESSMENT SCREENING SERVICES	9/11/2019	9/11/2024	Reimbursable	-----	GSFC	SAA5-19-2-R-29833

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
356	29494	SPACE TELESCOPE SCIENCE INSTITUTE	Loan of Touch Screen System for Display of Science Information	2/13/2019	2/1/2023	Non-Reimbursable	\$3,000	GSFC	29494
357	29201	National Basketball Players Association	COLLABORATION ON AWARENESS OF NASA TECHNOLOGIES FOR ENTREPRENEURIAL OPPORTUNITIES	4/30/2019	4/30/2022	Non-Reimbursable	\$112,600	GSFC	SAA5-19-1-N29201
358	28411	National Basketball Retired Players Association	COLLABORATION ON AWARENESS OF NASA TECHNOLOGIES FOR ENTREPRENEURIAL OPPORTUNITIES	9/14/2018	9/14/2023	Non-Reimbursable	\$112,600	GSFC	SAA5-18-3-N28411
359	25933	INSTITUTE FOR LOCAL INNNOVATIONS, INC	IDENTIFYING AND ESTABLISHING TECHNOLOGY TRANSFER OPPORTUNITIES AND COLLABORATIONS	10/2/2017	10/2/2022	Non-Reimbursable	\$8,700	GSFC	SAA5-17-3-N25933
360	25689	National Football League Players Association	COLLABORATION TO COMMERCIALIZE NASA TECHNOLOGIES	5/15/2018	5/13/2025	Non-Reimbursable	\$274,400	GSFC	SAA5-2017-3- N25689

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
361	24841	Society of Photo-Optical Instrumentation Engineers (SPIE)	Editor-in-Chief for Journal of Astronomical Telescopes, Instruments and Systems	1/24/2017	1/23/2023	Non-Reimbursable	\$34,066	GSFC	600-17-24841
362	24469	The Hollywood Black Film Festival	THE PRODUCTION OF NASA THEMED SCIENCE FICTION FILM CONCEPTS	1/23/2017	1/23/2022	Non-Reimbursable	\$8,700	GSFC	SAA5-17-1-N24469
363	23781	Arizona Board of Regents for and bel	Mars Atmospheric Infrared Data Analysis	6/27/2017	3/30/2023	Reimbursable	-----	GSFC	23781
364	23698	Brigham Young University	ON-ORBIT RADIATION HARDENED BY SOFTWARE TECHNOLOGY RESEARCH	2/13/2017	2/13/2022	Non-Reimbursable	\$10,519	GSFC	SAA5-16-03-N23698
365	22549	University of North Carolina Wilmington	IMPLEMENTATION AND OPERATION OF THE SUSTAINED OCEAN COLOR OBSERVATIONS WITH NANOSATELLITES (SOCON) PROJECT	6/1/2017	6/1/2022	Non-Reimbursable	\$160,000	GSFC	450-AGMT-0149

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
366	22332	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	Space-Based Measurements for Applied and General Research in Earth Science	12/6/2018	12/5/2021	Non-Reimbursable	\$789,654	GSFC	600-18-22332-LLNL
367	18544	Virginia Commercial Space Flight Authority	Construction and Operation of Unmanned Aerial System (UAS) Runway on Wallops Island	10/1/2015	3/31/2022	Non-Reimbursable	\$5,715,055	GSFC	
368	14465	Simons Foundation	Origins of Life Studies	4/30/2013	9/30/2023	Reimbursable	-----	GSFC	SAA-13-14465
369	34711	City of Orlando	annex to Advanced Air Mobility Technology Research and Demonstration Activities	5/7/2021	5/7/2026	Non-Reimbursable	\$250,000	HQ-ARMD_S	
370	34710	City of Orlando	Advanced Air Mobility Technology Research and Demonstration Activities	5/7/2021	5/7/2027	Non-Reimbursable	\$0	HQ-ARMD_S	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
371	34709	Massachusetts Department of Transportation	annex to Advanced Air Mobility Technology Research and Demonstration Activities	5/7/2021	5/7/2026	Non-Reimbursable	\$250,000	HQ-ARMD_S	
372	34708	Massachusetts Department of Transportation	Advanced Air Mobility Technology Research and Demonstration Activities	5/7/2021	5/7/2026	Non-Reimbursable	\$0	HQ-ARMD_S	
373	34706	Minnesota Department of Transportation	annex to Advanced Air Mobility Technology Research and Demonstration Activities	5/7/2021	5/7/2026	Non-Reimbursable	\$250,000	HQ-ARMD_S	
374	34705	Minnesota Department of Transportation	Advanced Air Mobility Technology Research and Demonstration Activities	5/7/2021	5/7/2026	Non-Reimbursable	\$0	HQ-ARMD_S	
375	34704	North Central Texas Council of Governments	annex to Advanced Air Mobility Technology Research and Demonstration Activities	5/7/2021	5/7/2026	Non-Reimbursable	\$250,000	HQ-ARMD_S	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
376	34701	North Central Texas Council of Governments	Advanced Air Mobility Technology Research and Demonstration Activities	5/7/2021	5/7/2026	Non-Reimbursable	\$0	HQ-ARMD_S	
377	34686	Ohio Department of Transportation	annex to Advanced Air Mobility Technology Research and Demonstration Activities	5/7/2021	5/7/2026	Non-Reimbursable	\$250,000	HQ-ARMD_S	
378	34682	Ohio Department of Transportation	Advanced Air Mobility Technology Research and Demonstration Activities	5/7/2021	5/7/2026	Non-Reimbursable	\$0	HQ-ARMD_S	
379	29333	Evergreen Exhibitions	Above and Beyond Touring Exhibit	3/29/2019	3/28/2024	Non-Reimbursable	\$10,109	HQ-ARMD_S	
380	35270	The Center of Science and Industry	NRSAA Between NASA and COSI for Delivering STEM Engagement to Underserved Youth Across the Nation	10/25/2021	10/25/2026	Non-Reimbursable	\$17,187	HQ-Education	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
381	34122	Gearbox Labs, Inc.	For K-12 STEM Engagement and Education	3/30/2021	3/30/2024	Non-Reimbursable	\$9,625	HQ-Education	34122
382	34004	Noggin (A subsidiary of Viacom CBS)	Annex 2 Under Umbrella SAA for NASA-Themed STEM Learning Experiences for Preschool-Aged Children and Their Families	12/29/2020	12/29/2021	Non-Reimbursable	\$650	HQ-Education	
383	33160	Oak Ridge Associated Universities, Inc.	Annex No. 1 Under Umbrella SAA for Increasing Access to STEM Engagement and STEM Education Opportunities and Experiences	12/15/2020	12/15/2025	Non-Reimbursable	\$54,375	HQ-Education	
384	33159	Oak Ridge Associated Universities, Inc.	Umbrella SAA for Increasing Access to STEM Engagement and STEM Education Opportunities and Experiences	12/15/2020	12/15/2025	Non-Reimbursable	\$0	HQ-Education	
385	33145	Discovery Education, Inc.	Non-Reimbursable Space Act Agreement for K-12 STEM Engagement and Education	11/10/2020	11/10/2025	Non-Reimbursable	\$75,625	HQ-Education	33145

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
386	32858	Microsoft Corporation	Annex 9 to Non-Reimbursable Space Act Umbrella Agreement between the National Aeronautics and Space Administration Lyndon B. Johnson Space Center and Microsoft Corporation for Strategic Alliance for STEM Education Activities	8/19/2020	8/19/2022	Non-Reimbursable	\$35,250	HQ-Education	SAA-AD-18-26048
387	32857	STEM Next Opportunity Fund	Annex 1 Under Umbrella SAA for the STEM Next Million Girls Moonshot Initiative	8/27/2020	8/27/2022	Non-Reimbursable	\$95,500	HQ-Education	32856
388	32856	STEM Next Opportunity Fund	Umbrella SAA for Increasing Access to STEM Engagement and STEM Education Opportunities and Experiences	8/27/2020	8/27/2025	Non-Reimbursable	\$0	HQ-Education	32856
389	32453	Noggin (A subsidiary of Viacom CBS)	Annex 1 Under Umbrella SAA for Artemis-Themed STEM Learning Experiences for Preschool-Aged Children and Their Families	10/20/2020	10/20/2022	Non-Reimbursable	\$54,500	HQ-Education	32453
390	32452	Noggin (A subsidiary of Viacom CBS)	Umbrella SAA for NASA-Themed STEM Learning Experiences for Preschool-Aged Children and Their Families	10/20/2020	10/20/2022	Non-Reimbursable	\$0	HQ-Education	32452

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
391	31562	U.S. SATELLITE LABORATORY, INC	Annex 1 under Umbrella SAA for Collaboration on the Endeavor Science Teaching Certificate Project	12/18/2019	12/18/2024	Non-Reimbursable	\$100,350	HQ-Education	
392	31561	U.S. SATELLITE LABORATORY, INC	Umbrella SAA for Collaboration on Endeavor Science Teacher Certificate Project and STEM Engagement Activities	12/18/2019	12/18/2024	Non-Reimbursable	\$0	HQ-Education	
393	28421	Neuron Fuel Inc. dba Tynker	Annex 1 Under Umbrella SAA for Engaging Students in NASA-Themed Coding Activities	12/20/2018	12/20/2023	Non-Reimbursable	\$56,599	HQ-Education	28421
394	28420	Neuron Fuel Inc. dba Tynker	Umbrella SAA for Engaging Students in NASA-Themed Coding Activities	12/20/2018	12/20/2023	Non-Reimbursable	\$0	HQ-Education	28420
395	14267	The Conrad Foundation	Conrad Foundation Umbrella	12/13/2013	12/13/2021	Non-Reimbursable	-----	HQ-Education	SAA-AD-13-14267

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
396	35525	National Geographic Partners, LLC	Artemis Imagery	9/23/2021	9/23/2026	Non-Reimbursable	\$2,450,000	HQ-HEO_SA	35525
397	34951	Miles Space, Inc.	SCaN Service Support for Team Miles	7/19/2021	7/19/2023	Reimbursable	-----	HQ-HEO_SA	450-AGMT-0185
398	27229	RFC MEDIA, LLC	Continued Outreach Collaboration on Third Rock Radio	1/30/2020	1/29/2025	Non-Reimbursable	\$6,473	HQ-OC_SAA	27229
399	26840	Google Inc	Annex 2 - Google Virtual Reality for Public Engagement	10/16/2017	10/16/2022	Non-Reimbursable	\$35,470	HQ-OC_SAA	23261
400	24182	American Girl Brands, LLC	American Girl Project Collaboration	10/7/2016	10/7/2021	Non-Reimbursable	\$20,560	HQ-OC_SAA	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
401	24181	American Girl Brands, LLC	American Girl Collaboration	10/7/2016	10/7/2021	Non-Reimbursable	\$0	HQ-OC_SAAI	24181
402	23261	Google Inc	Google Education and Public Engagement Umbrella	9/15/2016	9/14/2024	Non-Reimbursable	\$30,615	HQ-OC_SAAI	23261
403	22690	Walt Disney Parks and Resorts, U.S., Inc. d/b/a Walt Disney Imagineering	Collaboration on Space-themed Update to Epcot Theme Park	7/31/2017	7/31/2022	Non-Reimbursable	\$22,773	HQ-OC_SAAI	22689
404	22689	Walt Disney Parks and Resorts U.S., Inc d/b/a Walt Disney Imagineering	Collaboration on Public Outreach Projects	7/31/2017	7/31/2022	Non-Reimbursable	\$0	HQ-OC_SAAI	22689
405	33335	Arizona State University	Lucy in Space Grade 6-12 Contest	9/23/2020	10/16/2021	Non-Reimbursable	\$40,000	HQ-SMD_SA	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
406	33007	SPACE EXPLORATION TECHNOLOGIES CORP	Flight Safety Coordination with NASA Assets	1/15/2021	1/15/2031	Non-Reimbursable	\$1,836,425	HQ-SMD_SA	
407	30620	Mercy Corps	Increasing Smallholder Farmer Resilience to Climate Impacts by Integrating Earth Observations into Mercy Corps' AgriFin	8/1/2019	3/29/2022	Non-Reimbursable	\$100,000	HQ-SMD_SA	
408	29345	Mercy Corps	Integrating Earth Observations into Mercy Corps' STRESS Methods for Resilience Programming and Intervention Design	3/29/2019	3/29/2022	Non-Reimbursable	\$552,379	HQ-SMD_SA	
409	29332	Mercy Corps	Utilizing Earth Observations for Humanitarian and Development Activities	3/29/2019	3/29/2022	Non-Reimbursable	\$0	HQ-SMD_SA	
410	26617	Breakthrough Starshot Foundation, LLC	Enceladus Flyby Mission Concept Study	9/13/2018	9/12/2023	Non-Reimbursable	\$72,834	HQ-SMD_SA	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
411	26616	Breakthrough Starshot Foundation, LLC	Collaboration on Breakthrough Search for Life	9/13/2018	9/12/2023	Non-Reimbursable	\$0	HQ-SMD_SA	
412	33818	Orbital ATK, Inc	Small Spacecraft Electric Propulsion (SSEP) System	11/6/2020	11/5/2022	Unfunded	\$998,544	HQ-STMD_S	STMD-SAA-ACO20-0021
413	33812	Rocket Lab USA, Inc	Proposal to the National Aeronautics and Space Administration (NASA) Space Technology Announcement of Collaborative Opportunity	11/6/2020	11/5/2022	Unfunded	\$1,246,814	HQ-STMD_S	STMD-SAA-ACO20-0009
414	33811	Blue Origin, LLC	Increasing Engine Life & Thrust/Weight Through Characterization of Additively Manufactured Alloys	11/6/2020	11/5/2022	Unfunded	\$585,236	HQ-STMD_S	STMD-SAA-ACO20-0034
415	33810	Phase Four, Inc	Lifetime Trend Testing of the Phase Four RF Thruster for Small Spacecraft Missions	11/6/2020	11/5/2022	Unfunded	\$424,161	HQ-STMD_S	STMD-SAA-ACO20-0056

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
416	33809	STELLAR EXPLORATION, INC	Qualification Testing of Nanosatellite Propulsion System	11/6/2020	11/5/2022	Unfunded	\$1,098,460	HQ-STMD_S	STMD-SAA-ACO20-0041
417	33808	AEROJET ROCKETDYNE, INC	A Novel Approach to Human Exploration-Enabling Green Monopropellants for SmallSats	11/6/2020	11/5/2022	Unfunded	\$1,070,000	HQ-STMD_S	STMD-SAA-ACO20-0036
418	33807	CORNERSTONE RESEARCH GROUP, INC.	Additively Manufactured TPS Arc Jet Evaluation	11/6/2020	11/5/2022	Unfunded	\$897,358	HQ-STMD_S	STMD-SAA-ACO20-0038
419	33806	Elementum 3D, Inc	Reactive Additive Manufacturing for Fourth Industrial Revolution Exploration Systems (RAMFIRE)	11/6/2020	11/5/2022	Unfunded	\$1,117,904	HQ-STMD_S	STMD-SAA-ACO20-0026
420	33805	SPACE EXPLORATION TECHNOLOGIES CORP	In-flight Imagery and Thermal Measurement of Starship during Orbital Reentry	11/6/2020	11/5/2022	Unfunded	\$1,195,400	HQ-STMD_S	STMD-SAA-ACO20-0025

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
421	33804	Ahmic Aerospace, LLC	Hypersonic Instrumentation and Thermal Protection System Material Characterization Test Methodology	11/6/2020	11/5/2022	Unfunded	\$786,480	HQ-STMD_S	STMD-SAA-ACO20-22
422	33803	Spacefactory, Inc	Design of an Additive Construction System for Lunar ISRU Application through Active Sample Testing in a Relevant Environment	11/6/2020	11/5/2022	Unfunded	\$627,355	HQ-STMD_S	STMD-SAA-ACO20-53
423	33802	BLUE ORIGIN, LLC	Space Robot Operating System	11/6/2020	11/5/2022	Unfunded	\$2,112,823	HQ-STMD_S	STMD-SAA-ACO20-32
424	33801	PH Matter, LLC	Advanced Alkaline Reversible Cell for Production of Hydrogen and Oxygen from ISRU-Generated Water	11/6/2020	11/5/2022	Unfunded	\$441,469	HQ-STMD_S	STMD-SAA-ACO20-0012
425	33800	SPACE SYSTEMS LORAL, LLC	Lunar Dust Mitigation on Flexible Solar Arrays	11/6/2020	11/5/2022	Unfunded	\$965,210	HQ-STMD_S	STMD-SAA-ACO20-0020

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
426	33799	Box Elder Innovations, LLC	Enhanced Pulsed Electro-Acoustic Analysis	11/6/2020	11/5/2022	Unfunded	\$868,613	HQ-STMD_S	STMD-SAA-ACO20-0001
427	33798	Gloyer-Taylor Laboratories, LLC	UCDS Demonstration and Evaluation	11/6/2020	11/5/2022	Unfunded	\$93,581	HQ-STMD_S	STMD-SAA-ACO20-0004
428	33797	SPACE SYSTEMS LORAL, LLC	Advancing the TRL of Novel Diamond-Like-Coating for Protection of Solar Cell Interconnectors from High-Energy Electric Thruster Plume Erosion	11/6/2020	11/5/2022	Unfunded	\$268,388	HQ-STMD_S	STMD-SAA-ACO20-0019
429	33795	SPACE SYSTEMS LORAL, LLC	Bang-Bang Propellant Feed System for the 12 kW Hall Thruster	11/6/2020	11/5/2022	Unfunded	\$461,692	HQ-STMD_S	STMD-SAA-ACO20-0024
430	33794	IN Space, LLC	Rapid Development of Regeneratively Cooled RDRE Chambers for Space Engines	11/6/2020	11/5/2022	Unfunded	\$950,222	HQ-STMD_S	STMD-SAA-ACO20-0044

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
431	33772	SPACE EXPLORATION TECHNOLOGIES CORP	Space-rated FOSS Interrogator For Cryogenic Temperature Monitoring In Space	11/6/2020	11/5/2022	Non-Reimbursable	\$540,219	HQ-STMD_S	STMD-SAA-ACO20- 0010
432	30979	Spirit AeroSystems Inc	NRSAA Between NASA and Spirit AeroSystems Inc Under the Space Technology Announcement of Competitive Opportunity 2019, Improved Durability for a Low-Cost Reusable Launch Vehicle Manufactured via Friction Stir Welding	7/29/2019	6/1/2023	Unfunded	\$1,239,000	HQ-STMD_S	ACO-2019-070
433	30978	Vulcan Wireless	NRSAA Between NASA and Vulcan Wireless Inc Under the Space Technology Announcement of Competitive Opportunity 2019, Resilience testing of Multi-Mode S-Band Transponder	7/29/2019	5/31/2022	Unfunded	\$1,085,438	HQ-STMD_S	ACO-2019-061
434	30976	BLUE ORIGIN, LLC	NRSAA Between NASA and Blue Origin Under the Space Technology Announcement of Competitive Opportunity 2019, Lunar Lander Advanced Nozzle Collaboration	7/29/2019	11/30/2021	Unfunded	\$1,229,980	HQ-STMD_S	ACO-2019-053
435	30975	BLUE ORIGIN, LLC	NRSAA Between NASA and Blue Origin Under the Space Technology Announcement of Competitive Opportunity 2019, Precision Safe Lunar Landing System Development	7/29/2019	10/30/2021	Unfunded	\$1,050,000	HQ-STMD_S	ACO-2019-051

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
436	30974	BLUE ORIGIN, LLC	NRSAA Between NASA and Blue Origin Under the Space Technology Announcement of Competitive Opportunity 2019, Primary Fuel Cell Power System for Lunar Landers	7/29/2019	7/29/2022	Unfunded	\$1,450,000	HQ-STMD_S	ACO-2019-050
437	30972	Colorado Power Electronics Inc.	NRSAA Between NASA and Colorado Power Electronics Inc Under the Space Technology Announcement of Competitive Opportunity 2019, Qualification and Integration Tests of the Colorado Power Electronics Prototype Development Unit Power Processing Unit with NASA and Commercial Hall Thrusters	7/29/2019	12/29/2022	Unfunded	\$1,300,000	HQ-STMD_S	ACO-2019-025
438	30967	LOCKHEED MARTIN	NRSAA Between NASA and Lockheed Martin Under the Space Technology Announcement of Competitive Opportunity 2019, Advanced Lightweight Powder Metallurgy for Hot Structures	7/29/2019	12/31/2021	Unfunded	\$1,040,000	HQ-STMD_S	ACO-2019-075
439	30963	SIERRA NEVADA CORP	NRSAA Between NASA and Sierra Nevada Corporation Under the Space Technology Announcement of Competitive Opportunity 2019, Upper Stage Recovery	7/29/2019	12/30/2021	Unfunded	\$282,413	HQ-STMD_S	ACO-2019-063
440	30962	SIERRA NEVADA CORP	NRSAA Between NASA and Sierra Nevada Corporation Under the Space Technology Announcement of Competitive Opportunity 2019, Scientifically Calibrated In-Flight Imagery	7/29/2019	12/31/2023	Unfunded	\$1,022,908	HQ-STMD_S	ACO-2019-062

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
441	30961	Aerogel Technologies	NRSAA Between NASA and Aerogel Technologies LLC Under the Space Technology Announcement of Competitive Opportunity 2019, Mechanically Strong Polyimide Aerogels as Multifunctional Acoustic Insulation for Aerospace Applications	7/29/2019	9/29/2022	Unfunded	\$1,298,000	HQ-STMD_S	ACO-2019-027
442	30960	AEROJET ROCKETDYNE, INC	NRSAA Between NASA and Aerojet Rocketdyne of DE Inc. Under the Space Technology Announcement of Competitive Opportunity 2019, Extensible Robotic Deposition Technology for Propulsion Systems	7/29/2019	11/30/2021	Unfunded	\$1,197,474	HQ-STMD_S	ACO-2019-024
443	30959	Bally Ribbon Mills	NRSAA Between NASA and Bally Ribbon Mills Under the Space Technology Announcement of Competitive Opportunity 2019, ADEPT Spider Weave Thermal Testing	7/29/2019	9/30/2021	Unfunded	\$1,769,000	HQ-STMD_S	ACO-2019-023
444	30958	Advanced Space LLC	NRSAA Between NASA and Advance Space LLC Under the Space Technology Announcement of Competitive Opportunity 2019, Advancing Lunar Navigation Technologies to Enable Exploration and Commercial Development	7/29/2019	9/30/2023	Unfunded	\$670,696	HQ-STMD_S	ACO-2019-018
445	30933	SPACE SYSTEMS LORAL, LLC	NRSAA Between NASA and Space Systems Loral LLC Under the Space Technology Announcement of Competitive Opportunity 2019, Advancing Qualification Protocols of Ultra-lightweight 5-junction Solar Cells Applied to Flexible Solar Array Power Modules	7/29/2019	12/29/2022	Unfunded	\$1,752,052	HQ-STMD_S	ACO-2019-011

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
446	30924	SPACE SYSTEMS LORAL, LLC	NRSAA Between NASA and Space Systems Loral LLC Under the Space Technology Announcement of Competitive Opportunity 2019, Advanced Packaging Methods for Next-Generation Reflectors	7/29/2019	4/30/2024	Unfunded	\$1,280,000	HQ-STMD_S	ACO-2019-010
447	30921	Anasphere Inc.	NRSAA Between NASA and Anasphere Inc, Under the Space Technology Announcement of Competitive Opportunity 2019. Ground Testing of (Hypersonic Inflatable Aerodynamic Decelerator) HIAD Hydrogen Gas Generator	7/29/2019	12/29/2021	Unfunded	\$458,520	HQ-STMD_S	ACO-2019-002
448	34786	MOOG, INC	JPL IGOR Software Support for MBR	10/21/2021	10/21/2024	Reimbursable	-----	JPL	
449	34396	AEROJET ROCKETDYNE, INC	A Digitally Informed Approach To Enhanced Heat Recovery	7/21/2021	1/21/2025	Reimbursable	-----	JPL	34396
450	34171	Carbon Mapper	Carbon Plume Mapper (CPM)	3/19/2021	5/19/2023	Reimbursable	-----	JPL	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
451	34060	BATTELLE MEMORIAL INSTITUTE,	National Ecological Observatory Network (NEON) NEON Image	6/23/2021	6/23/2024	Reimbursable	-----	JPL	
452	34016	EMBRY-RIDDLE AERONAUTICAL U	AtmoSense/AIRWaveS: Atmosphere-Ionosphere Responses	8/18/2021	11/18/2023	Reimbursable	-----	JPL	
453	33889	Raytheon Company	OCX Block 3F Support	8/18/2021	3/18/2025	Reimbursable	-----	JPL	
454	33853	MASTEN SPACE SYSTEMS, INC	Interplanetary Network Services Support	3/1/2021	5/1/2023	Reimbursable	-----	JPL	
455	33632	Veripos (US) Inc.	Global Navigation Satellite Systems Corrections Data to Veri	3/11/2021	3/11/2023	Reimbursable	-----	JPL	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
456	33349	Sienza Inc.	High Energy and Long Cycle Life Li-ion Batteries with Novel	2/2/2021	2/2/2024	Reimbursable	-----	JPL	
457	33258	Citrus College	Pathways in STEM: Cross-Sector Partnerships, Experiential	12/15/2020	12/15/2025	Reimbursable	-----	JPL	
458	32586	GEORGIA INSTITUTE OF TECHNO	Support to the Development of Advanced Data Compression	10/23/2020	10/23/2023	Reimbursable	-----	JPL	
459	31774	The University of Maryland	Exploitation of COSMIC-2 Data in Numerical Weather Predic	12/8/2020	12/8/2021	Reimbursable	-----	JPL	
460	31616	ASTROBOTIC TECHNOLOGY, INC	IND Network Services Support of Astrobotic	4/15/2020	2/15/2022	Reimbursable	-----	JPL	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
461	31570	PaR Systems, LLC	Piezoelectric Percussive Augmenter of Rotary Drill (PARoD)	1/31/2020	1/31/2023	Reimbursable	-----	JPL	
462	30629	LOUISIANA STATE UNIVERSITY	Synthetic Aperture Radar Interferometry (InSAR) Evaluation	12/16/2019	9/30/2023	Reimbursable	-----	JPL	82-105663
463	30354	JOHNS HOPKINS UNIVERSITY / AF	Augmented Reality Computer-Aided Design Visualizations for	9/10/2019	1/10/2022	Reimbursable	-----	JPL	
464	29920	Photon Spot, Inc.	Superconducting Nanowire Single Photon Detector Technology	3/27/2019	4/27/2022	Reimbursable	-----	JPL	
465	29811	Leidos, Inc.	S&T Advancement for MDUSV Operations	1/9/2020	1/9/2022	Reimbursable	-----	JPL	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
466	29799	HARRIS CORP	Navigation Technology Satellite-3 Geosynchronous Earth Or	4/10/2019	4/10/2023	Reimbursable	-----	JPL	
467	28319	THE AEROSPACE CORPORATION	EMPIRICAL STUDIES OF RADIATION DAMAGE TO SPACE	5/17/2019	5/17/2024	Reimbursable	-----	JPL	
468	27788	The George Washington University	Data Science Biomarker Technologies for the Information Te	11/14/2018	11/14/2021	Reimbursable	-----	JPL	
469	26635	Beckman Research Institute of the C	Develop Generalized Newton-Euler Inverse Mass Operator (11/29/2017	11/29/2021	Reimbursable	-----	JPL	
470	26523	Northrop Grumman Systems Corpora	Support the Development of Advanced Ground Antennas for	3/19/2018	3/26/2023	Reimbursable	-----	JPL	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
471	25621	GeoOptics, Inc.	GeoOptics for Advanced Gravity Mapping and Crosslink Occ	7/26/2017	2/28/2022	Reimbursable	-----	JPL	
472	24877	Raytheon Vision Systems	New Vital Infrared Sensor Technology Acceleration (VISTA) I	7/12/2017	7/12/2022	Reimbursable	-----	JPL	
473	24666	Northrop Grumman Corporation	Microwave Temperature and Humidity Profiler (MTHP) Modif	6/6/2017	4/25/2022	Reimbursable	-----	JPL	
474	23388	Placidus LLC	Production of Smart-Wire Driven by a Vibratory Piezoelectric	12/6/2016	1/31/2022	Reimbursable	-----	JPL	
475	23050	NYSEARCH / Northeast Gas Associa	DEVELOP METHANE SNIFFER FOR A SMALL UNMANNE	9/6/2016	7/1/2023	Reimbursable	-----	JPL	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
476	22012	RKI Instruments	Methane Sniffer Commercialization	3/29/2016	2/28/2022	Reimbursable	-----	JPL	
477	20611	Direct Electron LP	BSI Development for Scientific CMOS Image Sensors	6/21/2016	1/31/2022	Reimbursable	-----	JPL	
478	20421	California Department of Water Resources	Subseasonal Prediction of Atmospheric Rivers and the Madden-Julian Oscillation	6/14/2016	6/30/2022	Reimbursable	-----	JPL	
479	13464	Space Exploration Technologies	SURFACE CHEMICAL AND MATERIALS ANALYSIS OF SPACECRAFT	10/1/2012	2/27/2022	Reimbursable	-----	JPL	
480	11998	The Boeing Company	Ionizing Radiation Evaluation of Materials and Semiconductors	5/16/2012	4/1/2025	Reimbursable	-----	JPL	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
481	34659	Walter Dorwin Teague Associates, Inc.	Habitat Layout Trade Studies for Analog Missions and Concepts	7/21/2021	7/21/2026	Non-Reimbursable	\$5,303	JSC	SAA-EA-21-34659
482	34314	Orbit Fab, Inc.	Small Satellite Proximity Operations & Refueling Technologies	6/7/2021	6/7/2025	Non-Reimbursable	\$10,311	JSC	SAA-EA-21-34314
483	34285	SPACE EXPLORATION TECHNOLOGIES	TWO NON-NASA SPACEFLIGHT MISSIONS	7/14/2021	7/14/2026	Reimbursable	-----	JSC	SAA-UA-21-34284
484	34284	SPACE EXPLORATION TECHNOLOGIES	COMMERCIAL SPACE SYSTEM OPERATIONS AND DEVELOPMENT	7/14/2021	7/14/2026	Reimbursable	-----	JSC	SAA-UA-21-34284
485	34188	Next American Astronaut, Inc.	NAA Commercial LEO Joint Feasibility Study	3/10/2021	2/28/2022	Non-Reimbursable	\$46,279	JSC	SAA-UA-21-34188

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
486	34168	KBR WYLE SERVICES, LLC	ANNEX ONE for HUMAN HEALTH AND PERFORMANCE F	5/26/2021	5/26/2026	Reimbursable	-----	JSC	SAA-SA-21-34167
487	34167	KBR WYLE SERVICES, LLC	HUMAN HEALTH AND PERFORMANCE FACILITIES UTILI	5/26/2021	5/26/2026	Reimbursable	-----	JSC	SAA-SA-21-34167
488	34138	INTUITIVE MACHINES, LLC	Annex to Engineering Analysis and Testing	5/26/2021	5/20/2022	Reimbursable	-----	JSC	SAA-EA-21-34138
489	34137	INTUITIVE MACHINES, LLC	Engineering Analysis and Testing	5/26/2021	5/26/2026	Reimbursable	-----	JSC	SAA-XA-21-34137
490	33921	Bridgerland Technical College	Bridgerland Technical College	10/20/2021	10/19/2026	Non-Reimbursable	\$3,139	JSC	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
491	33915	Highlands College Of Montana Tech	Highlands College Of Montana Tech	10/13/2021	10/12/2026	Non-Reimbursable	\$3,138	JSC	
492	33898	Virgin Orbit	Annex to Reimbursable Umbrella Space Act Agreement betw	2/11/2021	2/11/2022	Reimbursable	-----	JSC	SAA2-403586
493	33880	COUNTY COLLEGE OF MORRIS	COUNTY COLLEGE OF MORRIS	10/20/2021	10/19/2026	Non-Reimbursable	\$3,138	JSC	
494	33879	TRI COUNTY REGIONAL VOCATIONAL SCHOOL DISTRICT	TRI COUNTY REGIONAL VOCATIONAL SCHOOL DISTRICT	10/18/2021	10/18/2026	Non-Reimbursable	\$3,139	JSC	
495	33869	LINCOLN TECHNICAL INSTITUTE	LINCOLN TECHNICAL INSTITUTE STUDENTS COLLABORATING WITH NASA UNDER THE HUNCH (HIGH SCHOOL STUDENTS UNITED WITH NASA TO	10/20/2021	10/19/2026	Non-Reimbursable	\$3,139	JSC	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
496	33848	Amateur Radio on the International S	Amateur Radio on the ISS	3/23/2021	3/23/2026	Reimbursable	-----	JSC	
497	33776	Amazon.com Services LLC	Project Kuiper MMOD Risk Assessment	5/19/2021	5/19/2023	Reimbursable	-----	JSC	SAA-XI-21-33776
498	33766	UNITED LAUNCH ALLIANCE, LLC	Annex 3 For Commercial Space Launch Vehicle Mission Insi	1/20/2021	1/20/2023	Reimbursable	-----	JSC	SAA-UA-21-33766-03
499	33744	Canyon Ridge High School	Canyon Ridge High School	8/12/2021	8/11/2026	Non-Reimbursable	\$61,713	JSC	
500	33710	Expanding Frontiers	Technology Utilization	6/28/2021	6/28/2022	Non-Reimbursable	\$17,363	JSC	SAA-XB-21-33710-01

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
501	33709	Expanding Frontiers	Technology Utilization	6/28/2021	6/28/2024	Non-Reimbursable	\$0	JSC	SAA-XB-21-33709
502	33506	Mass Challenge Houston	Participation in Mass Challenge Flywheel Program	4/30/2021	4/30/2022	Non-Reimbursable	\$12,170	JSC	SAA-XA-20-33506-01
503	33505	Mass Challenge Houston	COOPERATIVE SPACE COMMERCIALIZATION ACTIVITIES	4/30/2021	4/30/2024	Non-Reimbursable	\$0	JSC	SAA-XA-20-33505
504	33386	Houston Cinema Arts Society	Houston Cinema Arts Society (HCAS) CineSpace	10/24/2021	12/31/2022	Non-Reimbursable	\$74,469	JSC	
505	33367	INTUITIVE MACHINES, LLC	Annex to Development of Lunar Lander Systems Technologi	11/30/2020	12/31/2021	Reimbursable	-----	JSC	SAA-XA-20-33367-04

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
506	33102	AUBURN UNIVERSITY	Radio Frequency Identification (RFID) Collaboration (Annex 2)	9/3/2021	9/3/2023	Non-Reimbursable	\$10,388	JSC	SAA-EA-21-33012
507	33026	GENERAL MOTORS, LLC	Thermal Runaway Cell Testing for Vent Gas Analysis (Annex 1)	11/20/2020	11/20/2022	Reimbursable	-----	JSC	SAA-EA-20-33026
508	32919	UNIVERSITY OF TEXAS MEDICAL BRANCH	UTMB DIETETIC STUDENT EXPERIENCE AT NASA	8/12/2020	8/12/2025	Non-Reimbursable	\$37,971	JSC	32919
509	32916	FXC Corporation/Guardian Parachute	Mechanical Parachute Reefing Release Mechanism	10/23/2020	10/23/2022	Non-Reimbursable	\$99,912	JSC	
510	32778	Planet	ISS and Planet Operational Agreement	1/5/2021	1/4/2026	Non-Reimbursable	\$42,065	JSC	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
511	32760	Cheval de Feu Aerospace Corporation, dba LaMont Aerospace	FOR LOW-EARTH ORBIT COMMERCIAL SERVICES DEVELOPMENT	2/11/2021	2/10/2026	Non-Reimbursable	\$25,020	JSC	SAA-OZ-21-32760
512	32738	Limitless Space Institute	Advanced Power and Propulsion Partnership	4/18/2021	4/18/2026	Reimbursable	-----	JSC	SAA-EA-21-32738
513	32690	ARMAND BAYOU NATURE CENTER	Environmental Education Programs	7/23/2020	7/23/2025	Non-Reimbursable	\$19,075	JSC	SAA-JA-32690
514	32623	Texas A&M Engineering Experiment	Reimbursable Space Act Agreement Between National Aeronautics and Space Administration and Texas A&M University	9/3/2020	9/3/2022	Reimbursable	-----	JSC	SAA-AD-20-32623
515	32418	UNIVERSITY OF TEXAS	Collaboration in Robotics Technology	4/10/2020	3/10/2025	Non-Reimbursable	\$130,206	JSC	SAA-EA-20-32418

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
516	32361	Techshot, Inc.	Techshot Commercial Resource Request	5/20/2020	5/20/2022	Reimbursable	-----	JSC	
517	32319	Adidas America, Inc	Annex One for Collaboration on Materials and Technologies	6/16/2020	6/16/2025	Non-Reimbursable	\$10,458	JSC	SAA-OA-20-32319-01
518	32253	TECHSHOT, INC	TECHSHOT ISS RESEARCH HARDWARE	5/29/2020	5/29/2025	Non-Reimbursable	\$24,483	JSC	SAA-OZ-20-32253
519	32239	Space Commerce Matters	TO COLLABORATE WITH NASA TO CONDUCT COMMERCIAL RESEARCH	5/4/2020	5/4/2022	Reimbursable	-----	JSC	SAA-OZ-20-32239
520	32236	Adidas America, Inc	COLLABORATION ON ADVANCED MATERIALS AND TECHNOLOGIES	6/16/2020	6/16/2025	Non-Reimbursable	\$0	JSC	SAA-OA-20-32236

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
521	32208	Baylor University	Baylor University and NASA Collaboration to Enhance Imagery from Space	1/15/2021	1/15/2026	Non-Reimbursable	\$60,708	JSC	
522	32079	WOUNDED WARRIOR PROJECT	HOUSTON SOLDIER RIDE	3/31/2020	3/31/2025	Non-Reimbursable	\$7,270	JSC	SAA-JA-20-32079
523	32068	Houston Livestock Show and Rodeo,	REIMBURSABLE SPACE ACT AGREEMENT BETWEEN THE	7/16/2020	12/31/2021	Reimbursable	-----	JSC	SAA-AD-20-32068
524	32042	Baylor University	BAYLOR UNIVERSITY AND NASA COLLABORATION ON SPACE IMAGERY AND OUTREACH TECHNOLOGIES, SCIENCE AND ENGINEERING RESEARCH, AND STEM INITIATIVES.	1/15/2021	1/15/2026	Non-Reimbursable	\$0	JSC	SAA-OA-20-32042
525	32031	JOHNSON SPACE CENTER RADIO CONTROL CLUB	NON-REIMBURSABLE SPACE ACT FOR RADIO CONTROLLED AIRPLANE OPERATIONS	5/7/2020	5/7/2025	Non-Reimbursable	\$6,061	JSC	SAA-JA-20-32031

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
526	31994	Collaborative Composites Solutions Corporation	Annex 2 - Development of Additive Manufacturing Techniques for Spacecraft Structures and Heat Shields	3/26/2020	3/15/2024	Non-Reimbursable	\$78,286	JSC	SAA-EA-19-29452
527	31987	Chemring Energetic Devices	Development of Next Generation Ordnance Initiating System Architecture & Design	7/20/2020	7/20/2025	Non-Reimbursable	\$201,686	JSC	SAA-EA-20-31987
528	31923	MERIDIAN HEALTH SYSTEMS	MICROWAVE TISSUE SOLDERING FOR WOUND CLOSURE	4/6/2020	4/6/2022	Reimbursable	-----	JSC	SAA-EA-20-31923
529	31791	Texas A&M Engineering Experiment Station	Collaborative Research in Hypersonic Flow Physics	2/18/2020	2/18/2022	Non-Reimbursable	\$16,371	JSC	SAA-EA-20-31791
530	31778	NANORACKS, LLC	CONDUCT COMMERCIAL ACTIVITIES ON THE INTERNATIONAL SPACE STATION	12/18/2019	12/18/2021	Reimbursable	-----	JSC	31778

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
531	31734	IOWA NORTHWEST AREA EDUCATION CENTER	Space Settlement Design Competition	7/8/2020	7/8/2023	Reimbursable	-----	JSC	SAA-XA-20-31734
532	31729	TECHNOLOGY COLLABORATION CENTER	Collaboration & Partnership Development Initiative	8/11/2020	8/11/2025	Non-Reimbursable	\$138,761	JSC	SAA-XA-20-31729
533	31717	VIRGIN GALACTIC, LLC	Virgin Galactic Private Astronaut Mission	5/15/2020	5/15/2025	Non-Reimbursable	\$27,095	JSC	SAA-OA-20-31717
534	31714	TEXAS INSTRUMENTS, INC	Strategic Alliance for STEM Engagement and Outreach Activities	3/17/2020	3/17/2025	Non-Reimbursable	\$0	JSC	SAA-AD-20-31714
535	31619	Alpha Space Test and Research Alliance	CONDUCT COMMERCIAL ACTIVITIES ON THE INTERNATIONAL SPACE STATION	12/18/2019	12/18/2021	Reimbursable	-----	JSC	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
536	31386	UNIVERSITY OF ILLINOIS	Aero-capture and Atmospheric Entry, Descent, and Landing Guidance, Navigation, and Control (GN&C)	2/28/2020	2/28/2025	Non-Reimbursable	\$29,056	JSC	SAA-EA-20-31386
537	31322	The Proctor & Gamble Company	Laundry Detergent for Space	8/18/2020	8/18/2022	Non-Reimbursable	\$111,504	JSC	SAA-EA-20-31322
538	31321	The Proctor & Gamble Company	Cleaning in Space	8/18/2020	8/18/2025	Non-Reimbursable	\$0	JSC	SAA-EA-20-31321
539	31150	UNIVERSITY OF TEXAS	Hypersonic Environment and Material Response Testing and Research	3/10/2020	3/10/2025	Non-Reimbursable	\$81,372	JSC	SAA-EA-20-31150
540	31149	UNIVERSITY OF TEXAS	Collaborative Research, Technology Transfer, Education and Outreach Activities	3/10/2020	3/10/2025	Non-Reimbursable	\$0	JSC	SAA-EA-20-31149

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
541	31124	HOUSTON INDEPENDENT SCHOOLS	Annex to existing umbrella - Collaboration for STEM Engagement	11/15/2019	11/15/2022	Reimbursable	-----	JSC	SAA-AD-18-27594
542	31088	Meridian Technology Center	HIGH SCHOOL STUDENTS UNITED WITH NASA TO CREATE HARDWARE (HUNCH).	8/12/2021	8/12/2026	Non-Reimbursable	\$22,752	JSC	
543	31078	Oliver Ames High School	HIGH SCHOOL STUDENTS UNITED WITH NASA TO CREATE HARDWARE (HUNCH).	8/12/2021	8/12/2026	Non-Reimbursable	\$16,206	JSC	
544	30784	WILLIAM MARSH RICE UNIVERSITY	HUMANOID ROBOTICS AND RELATED TECHNOLOGIES	3/10/2020	3/10/2025	Reimbursable	-----	JSC	SAA-EA-19-30784
545	30783	WILLIAM MARSH RICE UNIVERSITY	COLLABORATIVE TECHNOLOGY DEVELOPMENT, INNOVATION	3/10/2020	3/10/2025	Reimbursable	-----	JSC	SAA-EA-19-30783

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
546	30679	NANORACKS, LLC	OPERATION OF THE NANORACKS SYSTEM ABOARD THE INTERNATIONAL SPACE STATION	7/31/2019	7/31/2024	Non-Reimbursable	\$24,597	JSC	
547	30536	Science Applications International Co	Annex 1 between NASA JSC and SAIC for Testing in the RIT	2/10/2020	2/10/2025	Reimbursable	-----	JSC	SAA-NA-20-30536-01
548	30535	Science Applications International Co	Reimbursable Umbrella Agreement between NASA JSC and	2/10/2020	2/10/2025	Reimbursable	-----	JSC	SAA-NA-20-30535
549	30388	Katy Independent School District	MEMORANDUM OF AGREEMENT BETWEEN THE NATIONAL AERONAUTICS AND SPACE ADMINIMISTRATION LYNDON B. JOHNSON SPACE CENTER AND KATY INDEPENDENT SCHOOL DISTRICT FOR NASA CONTINUITY OF OPERATONS PROGRAM	9/30/2019	9/30/2024	Non-Reimbursable	\$0	JSC	SAA-JA-20-30388
550	30163	WILLIAM MARSH RICE UNIVERSITY	Annex 9 for Collaborative Research, Education and Outreach Activities	9/4/2019	5/2/2022	Non-Reimbursable	\$43,654	JSC	SAA-EA-19-30163

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
551	30119	GENERAL MOTORS, LLC	Engineering Analysis and Testing for Advanced Technology I	1/27/2020	1/27/2025	Reimbursable	-----	JSC	SAA-EA-19-30119
552	30108	Orbital Sciences Corporation, a wholly owned subsidiary of	JSC/SGT Annex to Cryogenically - Fueled Upper Stage Tech	8/28/2019	8/27/2022	Reimbursable	-----	JSC	SAA8-1726082
553	29921	Smart Information Flow Technologies	Monitoring Emergent Duress Under Long Lasting Allostasis (11/3/2019	11/3/2021	Reimbursable	-----	JSC	
554	29865	Manned Space Flight Education Foundation, Inc.	NON-REIMBURSBLE SAA WITH MANNED SPACEFLIGHT EDUCATION FOUNDATION, INC. FOR COLLABORATIVE EDUCATION AND OUTREACH ACTIVITIES	7/15/2019	7/15/2024	Non-Reimbursable	\$3,095	JSC	SAA-AD-19-29865
555	29823	Underwriters Laboratories Inc.	Engineering Analysis and Testing for Advanced Technology I	7/3/2019	7/3/2024	Reimbursable	-----	JSC	SAA-EA-19-29823

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
556	29812	RED.com, Inc.	RED Digital Cinema Core Camera for ISS	1/23/2020	1/23/2025	Non-Reimbursable	\$1,271,505	JSC	29812
557	29741	Ogemaw Heights High School	HIGH SCHOOL STUDENTS COLLABORATING WITH NASA TO PRODUCE HARDWARE OR OTHER USEFUL PRODUCTS UNDER THE HUNCH (HIGH SCHOOL STUDENTS UNITED WITH NASA TO CREATE HARDWARE) PROGRAM	9/23/2021	9/22/2026	Non-Reimbursable	\$6,516	JSC	SAA-OA-21-29741
558	29738	Delta Schoolcraft Intermediate School District	High School Students United with NASA to Create Hardware (HUNCH)	9/24/2021	9/23/2026	Non-Reimbursable	\$6,516	JSC	SAA-OA-19-29738
559	29736	Harris County Sheriff's Office	Performance of Training Events for First Responders at the N	8/25/2020	8/25/2025	Reimbursable	-----	JSC	
560	29557	UNIVERSITY OF WASHINGTON	Mental Modes Cycles	5/29/2019	5/29/2022	Reimbursable	-----	JSC	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
561	29456	Houston Exponential	Cooperative Community Outreach Activities	6/6/2019	6/6/2024	Non-Reimbursable	\$227,792	JSC	SAA-XA-19-29456
562	29452	Collaborative Composites Solutions Corporation	Collaboration for Advanced Manufacturing Techniques	3/15/2019	3/15/2024	Non-Reimbursable	\$0	JSC	SAA-EA-19-29452
563	29366	Axiom Space, Inc.	Flight Operations Directorate Axiom Training	9/23/2019	8/27/2024	Reimbursable	-----	JSC	SAA-OA-19-29366-01
564	29365	Axiom Space, Inc.	Low-Earth Orbit Commercial Development Utilizing the ISS	8/27/2019	8/27/2024	Reimbursable	-----	JSC	SAA-19-OA-29365
565	29343	BLUE ORIGIN, LLC	Engineering Analysis and Testing	2/8/2020	2/8/2025	Reimbursable	-----	JSC	SAA-EA-20-29343

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
566	28973	SGT, LLC	NASA JSC/SGT Vendor Partner Agreement	9/10/2019	9/10/2024	Reimbursable	-----	JSC	SAA-CA-19-28973
567	28812	UNIVERSITY OF HOUSTON	SAA with University of Houston for Collaborative Research, Technology Transfer, Education and Outreach Activities	11/5/2018	11/5/2023	Non-Reimbursable	\$0	JSC	SAA-CA-19-28812
568	28679	Ben Barber Innovation Academy	High School Students United with NASA to Create Hardware (HUNCH) Program	10/3/2018	10/2/2023	Non-Reimbursable	\$14,111	JSC	SAA-OZ-18-28679
569	28672	LOCKHEED MARTIN	INTEGRATION AND OPERATIONS SUPPORT RELATED TO	12/17/2018	12/17/2023	Reimbursable	-----	JSC	SAA-GA-18-28672
570	28527	N-SCIENCE, INC	Asteroid Exploration Mission Concept Development	8/20/2019	8/20/2022	Non-Reimbursable	\$12,395	JSC	SAA-XA-19-28527

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
571	28383	Ross Aviation Operations LLC	A/M32A-60 "Dash 60" Jet Starter Loan to Ross Aviation	10/3/2018	10/2/2023	Non-Reimbursable	\$5,950	JSC	SAA-CA-18 28383
572	28379	BiVACOR Inc.	Analysis of Artificial Heart System for In-Human Testing	10/1/2019	1/1/2022	Reimbursable	-----	JSC	SAA-NA-20-28379-01
573	28378	BiVACOR Inc.	SAFETY, RELIABILITY, AND ENGINEERING ANALYSES OF	10/1/2019	10/1/2024	Reimbursable	-----	JSC	SAA-NA-20-28378
574	28358	New York Space Alliance	The Fostering of Space Entrepreneurship	10/5/2018	10/5/2023	Non-Reimbursable	\$0	JSC	SAA-XB-18-28358
575	28307	DreamUp	Collaboration in Support of Educational Outreach	8/1/2018	7/31/2023	Non-Reimbursable	\$34,139	JSC	SAA-OZ-18-28307

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
576	28182	SOUTHWEST RESEARCH INSTITUTE	Commercialization of NASA's NASGRO software	11/21/2018	11/21/2023	Non-Reimbursable	\$196,654	JSC	SAA-EA-19-28182
577	28089	Alvin High School	For Students Collaborating with NASA to Produce Hardware or Other Useful Products under the High School Students Unified with NASA to Create Hardware (HUNCH) Program	9/20/2018	9/19/2023	Non-Reimbursable	\$57,440	JSC	SAA-OZ-18-28089
578	28036	Microsoft Corporation	Annex 4 to Non-Reimbursable Space Act Umbrella Agreement between the National Aeronautics and Space Administration Lyndon B. Johnson Space Center and Microsoft Corporation for Strategic Alliance for STEM Education Activities	2/12/2019	2/12/2022	Non-Reimbursable	\$193,256	JSC	SAA-AD-18-28036- 04
579	28012	Prairie View A&M University	NASA JSC 's Continued Support of the Joint Development of the Charged Particle Detector with PVAMU	5/1/2018	5/1/2022	Non-Reimbursable	\$25,447	JSC	SAA-EA-18-28012
580	27894	Space Family Education, Inc	Aaron Cohen Child Care Center	6/27/2019	6/27/2024	Non-Reimbursable	\$2,102,672	JSC	SAA-XA-18-27894

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
581	27827	WILLIAM MARSH RICE UNIVERSITY	Rice University Annex 6 JSC Partnership in Water Reuse Development for Human Exploration Missions	6/25/2018	5/2/2022	Non-Reimbursable	\$112,175	JSC	SAA-EA-18-27827
582	27634	University of Houston-Clear Lake	Umbrella for Collaborative Research, Technology Transfer, and Education Activities	8/23/2019	8/23/2024	Non-Reimbursable	\$0	JSC	SAA-XA-19-27634
583	27601	THE REGENTS OF THE UNIVERSITY OF COLORADO	Life and Microgravity Science Research Support	5/8/2019	5/7/2022	Non-Reimbursable	\$24,037	JSC	SAA-OZ-18-27601
584	27594	HOUSTON INDEPENDENT SCHOOLS	Collaboration for STEM Engagement, Education, and Community Outreach	8/28/2018	8/27/2023	Reimbursable	-----	JSC	SAA-AD-18-27594
585	27517	Rocklin Unified School	HIGH SCHOOL STUDENTS COLLABORATING WITH NASA TO PRODUCE HARDWARE OR OTHER USEFUL PRODUCTS UNDER THE HUNCH PROGRAM	5/8/2018	5/8/2023	Non-Reimbursable	\$12,603	JSC	SAA-OZ-18-27517

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
586	27425	Peanuts Worldwide, LLC	PUBLIC AND EDUCATION OUTREACH AND STEM PROJECTS	6/20/2018	6/20/2023	Non-Reimbursable	\$0	JSC	SAA-GA-18-27245
587	27253	BIGELOW AEROSPACE	NON-REIMBURSABLE TO LOW-EARTH ORBIT COMMERCIAL DEVELOPMENT	3/30/2018	3/29/2023	Non-Reimbursable	\$70,348	JSC	OZ-18-27253
588	26943	Wheeling High School	High School Students Collaborating with NASA to Produce Hardware or Other Useful Products Under the High School Students United with NASA to Create Hardware (HUNCH) Program	3/21/2018	3/20/2023	Non-Reimbursable	\$12,835	JSC	SAA-OZ-18-26943
589	26934	Hawthorne High School	Students Collaborating with NASA to Produce Hardware or Other Useful Products Under the High School Students United with NASA to Create Hardware (HUNCH) Program	3/23/2018	3/22/2023	Non-Reimbursable	\$33,644	JSC	SAA-OZ-18-26934
590	26933	Alief Independent School District	Students Collaborating with NASA to Produce Hardware or Other Useful Products Under the High School Students United with NASA to Create Hardware (HUNCH) Program	1/18/2018	1/18/2023	Non-Reimbursable	\$112,831	JSC	SAA-OZ-17-26933

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
591	26826	THE BOEING COMPANY	WB-57 Technology Demonstrator Platform	2/14/2018	2/13/2022	Reimbursable	-----	JSC	
592	26763	UNITED LAUNCH ALLIANCE, LLC	Commercial Space Launch Vehicle Mission Insight	2/16/2018	10/2/2021	Reimbursable	-----	JSC	SAA-UA3-17-26763
593	26762	UNITED LAUNCH ALLIANCE, LLC	Commercial Space Launch Vehicle Developments	2/5/2018	2/5/2023	Reimbursable	-----	JSC	SAA-UA3-17-26762
594	26418	BAY AREA HOUSTON ECONOMIC PARTNERSHIP	COOPERATIVE AND COMMUNITY OUTREACH ACTIVITIES	10/17/2017	10/16/2022	Non-Reimbursable	\$145,128	JSC	SAA-AD-18-26418
595	26277	NORTH CAROLINA STATE UNIVERSITY	Annex 2 to Collaborative Aerospace Research, Development, and Testing Opportunities	10/13/2017	10/13/2022	Non-Reimbursable	\$17,165	JSC	SAA-EA-17-26277

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
596	26205	Industrial Fabrics Association International	Umbrella Space Act Agreement Industrial Fabrics Association International (IFAI) Exposition	8/2/2018	8/2/2023	Non-Reimbursable	\$0	JSC	SAA-EA-17-26205
597	26188	Fairport Central School District	High School Students Collaborating with NASA to Produce Hardware or Other Useful Products Under the HUNCH Program	11/1/2017	10/31/2022	Non-Reimbursable	\$40,412	JSC	SAA-OZ-17-26188
598	26179	Council Rock School District	High School Students Collaborating with NASA to Produce Hardware or Other Useful Products Under HUNCH	10/13/2017	10/12/2022	Non-Reimbursable	\$40,412	JSC	SAA-OZ-17-26179
599	26048	Microsoft Corporation	Non-Reimbursable Space Act Umbrella Agreement between the National Aeronautics and Space Administration Lyndon B. Johnson Space Center and Microsoft Corporation for Strategic Alliance for STEM Education Activities	2/6/2018	2/5/2023	Non-Reimbursable	\$0	JSC	SAA-AD-18-26048
600	26023	Raytheon Intelligence, Information and	Annex 5 Authorizing Clean Room, Animation, Manufacturing,	10/18/2017	9/30/2022	Reimbursable	-----	JSC	SAA-CA-17-26023-5

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
601	26021	Raytheon Intelligence, Information and Analytics	Annex 4 Authorizing Support for Department of Defense Divisions	9/27/2017	9/30/2022	Reimbursable	-----	JSC	SAA-CA-17-26021-04
602	26017	Raytheon Intelligence, Information and Analytics	Annex 3 Authorizing Remotely Operated Vehicles (ROV) and	9/27/2017	9/30/2022	Reimbursable	-----	JSC	SAA-CA-26017-03
603	26016	Raytheon Intelligence, Information and Analytics	Annex 2 Authorizing Non-Destructive Testing Commercialization	9/27/2017	9/30/2022	Reimbursable	-----	JSC	SAA-CA-17-26016-02
604	26007	Raytheon Intelligence, Information and Analytics	Annex 1 Authorizing Safety, Survival, Emergency Response,	9/27/2017	9/30/2022	Reimbursable	-----	JSC	SAA-CA-17-26007-01
605	26006	Raytheon Intelligence, Information and Analytics	Umbrella Agreement Authorizing Commercialization Activities	9/27/2017	9/30/2022	Reimbursable	-----	JSC	SAA-CA-17-26006

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
606	26003	ULSTER COUNTY BOARD OF COOPERATIVE EDUCATIONAL SERVICES	ULSTER COUNTY BOARD OF COOPERATIVE EDUCATIONAL SERVICES FOR HIGH SCHOOL STUDENTS COLLABORATING WITH NASA TO PRODUCE HARDWARE OR OTHER USEFUL PRODUCTS UNDER THE HUNCH PROGRAM	10/13/2017	10/12/2022	Non-Reimbursable	\$50,182	JSC	SAA-OZ-17-26003
607	25999	St. Mary`s County Public Schools	St. Mary`s County Public Schools for High School Students Collaborating with NASA to Produce Hardware or Other Useful Products Under the HUNCH Program	10/26/2017	10/26/2022	Non-Reimbursable	\$40,783	JSC	SAA-OZ-17-25999
608	25997	Saint John Valley Technology Center	Saint John Valley Technology Center for Students Collaborating with NASA to Produce Hardware or Other Useful Products Under the HUNCH Program	11/27/2017	11/26/2022	Non-Reimbursable	\$24,299	JSC	SAA-OZ-17-25997
609	25144	WILLIAM MARSH RICE UNIVERSITY	Rice Annex 1 - Collaborative Robotics Research	5/3/2017	5/2/2022	Non-Reimbursable	\$118,923	JSC	SAA-EA-17-25144-01
610	25143	WILLIAM MARSH RICE UNIVERSITY	Collaborative Research, Education and Outreach Activities	5/2/2017	5/3/2022	Non-Reimbursable	\$0	JSC	SAA-XA-17-25143

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
611	25102	Greater Houston Partnership	Cooperative Community Outreach Activities	8/9/2017	8/9/2022	Non-Reimbursable	\$589,059	JSC	SAA-XA-17-25102
612	24920	The SME Education Foundation	SME Hunch A	3/1/2017	2/28/2022	Non-Reimbursable	\$150,502	JSC	SAA-OA-17-24920
613	24788	Shell International Exploration & Production	Safety, Reliability, and Engineering Analysis for Deep Water	5/16/2017	5/16/2022	Reimbursable	-----	JSC	SAA-NA-17-24788
614	24777	Bay Area Houston Advanced Technology Center	Failure Analysis	2/7/2017	2/7/2022	Reimbursable	-----	JSC	
615	24763	Bay Area Houston Advanced Technology Center	NASA Safety Training Center Classes	2/7/2017	2/7/2022	Reimbursable	-----	JSC	

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
616	24615	Bay Area Houston Advanced Techno	RITF Workmanship Training	2/7/2017	2/7/2022	Reimbursable	-----	JSC	SAA-NA-17-24615-01
617	24614	Bay Area Houston Advanced Techno	Technology Partnerships	2/7/2017	2/7/2022	Reimbursable	-----	JSC	
618	24331	Houston Livestock Show & Rodeo	NONREIMBURSABLE SPACE ACT AGREEMENT BETWEEN THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION LYNDON B. JOHNSON SPACE CENTER AND HOUSTON LIVESTOCK SHOW & RODEO FOR COMMUNITY RELATIONS AND EDUCATION OUTREACH ACTIVITIES	3/17/2017	3/16/2022	Non-Reimbursable	\$90,898	JSC	SAA-AD-17-24331
619	24326	Conway School District	Students Collaborating with NASA to Produce Hardware or Other Useful Products Under the HUNCH (High School Students United with NASA to Create Hardware) Program	11/1/2017	11/1/2022	Non-Reimbursable	\$236,218	JSC	SAA-OZ-17-24326
620	24275	Windsor Board of Education	Students Collaborating with NASA to Produce Hardware or Other Useful Products Under the HUNCH Program	11/28/2017	11/27/2022	Non-Reimbursable	\$231,674	JSC	SAA-OZ-17-24275

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
621	24255	Texas Space Technology Application	Architecture Expertise for Modular Integrated Stackable Layer	12/12/2016	12/12/2021	Reimbursable	-----	JSC	SAA-EA-17-24255
622	23749	Space Tango Inc	New Operation of the TangoLab-1 and Future Platforms Aboard the International Space Station National Laboratory	6/1/2017	5/31/2022	Non-Reimbursable	\$83,852	JSC	SAA-OZ-17-23749
623	23506	University of Houston, Clear Lake	Handling of Historic Spaceflight Documents	1/23/2017	1/23/2022	Non-Reimbursable	\$13,413	JSC	SAA-IA-16-23506
624	23114	Orbital Sciences Corporation	Space Vehicle Mockup Facility (SVMF) Floor Space for the Orbital ATK Cygnus Mockup	1/19/2017	1/19/2022	Non-Reimbursable	\$173,543	JSC	SAA-CA-16-23114
625	23020	BAYLOR COLLOGE OF MEDICINE	Collaborative Research on Health Care Infrastructure in Remote Settings	7/6/2017	7/6/2022	Non-Reimbursable	\$0	JSC	SAA-SA-16-23020

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
626	22998	The Longhorn Project	The Center For Agriculture Science and Engineering Laboratory	10/1/2016	10/1/2021	Non-Reimbursable	\$44,657	JSC	SAA-JA-16-22998
627	19449	Jacobs Technology Inc.	Annex 14 to NASA JSC Non-Government Use Of Facilities U	3/12/2015	4/30/2022	Reimbursable	-----	JSC	SAA-EA-15-19449
628	19348	Jacobs Technology Inc.	annex to NASA JSC Non-Government Use Of Facilities Umb	3/10/2015	4/30/2022	Reimbursable	-----	JSC	SAA-EA-15-19348
629	18884	United Launch Alliance	COMMERCIAL SPACE CAPABILITIES COLLABORATION	12/18/2014	6/30/2022	Non-Reimbursable	\$72,175,363	JSC	SAA-QA-14-18884
630	18883	SpaceX	COMMERCIAL SPACE CAPABILITIES COLLABORATION	12/18/2014	3/31/2022	Non-Reimbursable	\$3,675,899	JSC	SAA-QA-14-18883

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
631	18881	ATK SPACE SYSTEMS INC	COMMERCIAL SPACE CAPABILITIES COLLABORATION	12/18/2014	12/31/2022	Non-Reimbursable	\$1,918,680	JSC	SAA-QA-14-18881
632	17138	Jacobs Technology Inc.	Annex 11 to NASA JSC Non-Government Use Of Facilities U	3/19/2014	4/30/2022	Reimbursable	-----	JSC	SAA-EA-14-17138
633	16521	The Houston Zoo	Attwater's Prairie Chicken Project	5/12/2014	5/12/2024	Non-Reimbursable	\$46,152	JSC	SAA-JA-13-16521
634	15032	Jacobs Technology Inc.	Annex 4 to NASA JSC Non-Government Use Of Facilities Ur	6/28/2013	4/30/2022	Reimbursable	-----	JSC	SAA-EA-13-15032
635	14945	Jacobs Technology Inc.	Annex 3 to NASA JSC Non-Government Use Of Facilities Ur	6/28/2013	4/30/2022	Reimbursable	-----	JSC	SAA-EA-13-14945

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
636	14944	Jacobs Technology Inc.	Annex 2 to NASA JSC Non-Government Use Of Facilities Ur	6/10/2013	4/30/2022	Reimbursable	-----	JSC	SAA-EA-13-14944
637	14708	Jacobs Technology Inc.	Annex 1 to NASA JSC Non-Government Use Of Facilities Ur	6/11/2013	4/30/2022	Reimbursable	-----	JSC	SAA-EA-13-14708
638	14705	Jacobs Technology Inc.	NASA JSC Non-Government Use Of Facilities Umbrella Agre	5/13/2013	4/30/2022	Reimbursable	-----	JSC	SAA-EA-13-14705
639	35549	AMENTUM SERVICES, INC.	KCA-4662-17 Rev Basic, Annex 17 to Fully Reimbursable Ur	10/25/2021	9/30/2022	Reimbursable	-----	KSC	KCA-4662-17 Rev Ba
640	35471	SPACE EXPLORATION TECHNOLOGIES CORP	KCA-4696 Rev Basic, License Between the NASA KSC and the Space Exploration Technologies Corporation	10/5/2021	4/5/2022	Non-Reimbursable	\$0	KSC	KCA-4696 Rev Basic

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
641	35467	ASRC Federal Data Solutions	KCA-4559-36 Rev. Basic, Annex 36 to Fully Reimbursable U	9/30/2021	2/28/2023	Reimbursable	-----	KSC	KCA-4559-36 Rev. B
642	35443	ASRC Federal Data Solutions	KCA-4559-35 Rev. Basic, Annex 35 to Fully Reimbursable U	9/30/2021	9/30/2022	Reimbursable	-----	KSC	KCA-4559-35 Rev. B
643	35389	Blue Origin Florida, LLC	KCA-4555-17 Rev Basic annex to Fully Reimbursable Umbre	9/15/2021	12/3/2023	Reimbursable	-----	KSC	KCA-4555-17 Rev Ba
644	35327	SPACE EXPLORATION TECHNOLOG	KCA-4513-24, annex to Fully Reimbursable Space Act Umbr	9/10/2021	9/30/2022	Reimbursable	-----	KSC	KCA-4513-24
645	35282	ASRC Federal Data Solutions	KCA-4559-34 Rev Basic, Annex 34 to Fully Reimbursable Ur	9/20/2021	2/28/2023	Reimbursable	-----	KSC	KCA-4559-34 Rev Ba

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
646	35281	ASRC Federal Data Solutions	KCA-4559-33 Rev Basic, Annex 33 to Fully Reimbursable Ur	9/30/2021	2/28/2023	Reimbursable	-----	KSC	KCA-4559-33 Rev Ba
647	35280	AMENTUM SERVICES, INC.	KCA-4662-16 Rev Basic, Annex 16 to Fully Reimbursable Ur	10/19/2021	9/30/2022	Reimbursable	-----	KSC	KCA-4662-16 Rev Ba
648	35279	AMENTUM SERVICES, INC.	KCA-4662-15 Rev Basic, Annex 15 to Fully Reimbursable Ur	10/7/2021	9/30/2022	Reimbursable	-----	KSC	KCA-4662-15 Rev Ba
649	35278	AMENTUM SERVICES, INC.	KCA-4662-14 Rev Basic, Annex 14 to Fully Reimbursable Ur	10/7/2021	9/30/2022	Reimbursable	-----	KSC	KCA-4662-14 Rev Ba
650	35277	AMENTUM SERVICES, INC.	KCA-4662-13 Rev Basic, Annex 13 to Fully Reimbursable Ur	10/7/2021	9/30/2022	Reimbursable	-----	KSC	KCA-4662-13 Rev Ba

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
651	35276	AMENTUM SERVICES, INC.	KCA-4662-12 Rev Basic, Annex 12 to Fully Reimbursable Ur	10/7/2021	9/30/2022	Reimbursable	-----	KSC	KCA-4662-12 Rev Ba
652	35269	Jacobs Technologies Inc.	KCA-4604-6 Rev Basic, Annex 6 to Fully Reimbursable Umb	9/29/2021	9/30/2022	Reimbursable	-----	KSC	KCA-4604-6 Rev Bas
653	35215	HSG, LLC d/b/a HERNDON SOLUTI	KCA-4660-14 Rev. Basic, Annex 14 to Fully Reimbursable U	9/30/2021	9/30/2022	Reimbursable	-----	KSC	KCA-4660-14 Rev. B
654	35213	HSG, LLC d/b/a HERNDON SOLUTI	KCA-4660-13 Rev. Basic, Annex 13 to Fully Reimbursable U	9/30/2021	9/30/2022	Reimbursable	-----	KSC	KCA-4660-13 Rev. B
655	35212	Blue Origin	KCA-4690 Rev. Basic NASA KSC License to Blue Origin for Topographical Surveying, Environment Investigations, Utility Locates, and Geotechnical Boring	8/25/2021	2/25/2023	Non-Reimbursable	\$0	KSC	KCA-4690

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
656	35202	HSG, LLC d/b/a HERNDON SOLUTIONS	KCA-4660-12 Rev. Basic, Annex 12 to Fully Reimbursable U	9/30/2021	9/30/2022	Reimbursable	-----	KSC	KCA-4660-12 Rev. B
657	35201	HSG, LLC d/b/a HERNDON SOLUTIONS	KCA-4660-11 Rev. Basic, Annex 11 to Fully Reimbursable U	9/23/2021	9/30/2022	Reimbursable	-----	KSC	KCA-4660-11 Rev. B
658	35200	HSG, LLC d/b/a HERNDON SOLUTIONS	KCA-4660-10 Rev. Basic, Annex 10 to Fully Reimbursable U	9/30/2021	9/30/2022	Reimbursable	-----	KSC	KCA-4660-10 Rev. B
659	35055	HSG, LLC d/b/a HERNDON SOLUTIONS	KCA-4660-9 Rev. Basic, Annex 9 to Fully Reimbursable Umt	9/30/2021	9/30/2022	Reimbursable	-----	KSC	KCA-4660-9 Rev. Ba
660	34926	AMENTUM SERVICES, INC.	KCA-4662-11 Rev Basic, Annex 11 to Fully Reimbursable Ur	7/14/2021	9/30/2021	Reimbursable	-----	KSC	KCA-4662-11 Rev Ba

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
661	34809	Florida Institute of Technology, Inc.	KCA-4683-1, Rev Basic Annex 1 to Non-Reimbursable Space Act Agreement (NRSAA) with Florida Institute of Technology, Inc. (Florida Tech) for Joint Research on the Performance of Crop Species Grown in Lunar and Martian Simulants	10/8/2021	10/8/2024	Non-Reimbursable	\$1	KSC	KCA-4683-1 Rev Basic
662	34808	Florida Institute of Technology, Inc.	KCA-4683, Rev Basic of Non-Reimbursable Space Act Agreement (NRSAA) with Florida Institute of Technology, Inc. (Florida Tech) for Collaborative Research, Education and Outreach Activities	10/8/2021	10/8/2026	Non-Reimbursable	\$0	KSC	KCA-4683 Rev Basic
663	34793	Orbite, Inc.	KCA-4679 Rev. Basic, License To Orbite, Inc For Topographical Surveying, Environmental Investigations, Utility Locates, And Geotechnical Borings	8/9/2021	2/9/2023	Other	-----	KSC	KCA-4679 Rev Basic
664	34757	SPACE EXPLORATION TECHNOLOGICALS, INC.	KCA-4513-23 Rev Basic, Annex No 23 to Fully Reimbursable Space Act Agreement (NRSAA) with Space Exploration Technologicals, Inc. (SETI) for Research and Development of Space Exploration Technologies	6/4/2021	9/30/2022	Reimbursable	-----	KSC	KCA-4513-23 Rev Basic
665	34751	Virgin Orbit	KCA-4680, Rev Basic, Annex 4 between NASA KSC and Virgin Orbit for the Development and Testing of the Virgin Orbit LauncherOne	7/20/2021	7/20/2022	Reimbursable	-----	KSC	KCA-4680 Rev Basic

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
666	34588	Relativity Space, Inc.	KCA-4678-1, Revision Basic Annex 1 to the Reimbursable Space Act Agreement (KCA-4678-1)	7/27/2021	7/27/2026	Reimbursable	-----	KSC	KCA 4678-1 Rev. Bas
667	34587	Relativity Space, Inc.	KCA-4678 Rev. Basic Reimbursable Space Act Agreement (KCA-4678-1)	7/27/2021	7/27/2026	Reimbursable	-----	KSC	KCA-4678 Rev. Basic
668	34568	Jacobs Technologies Inc.	KCA-4604-5 Rev Basic, Annex 5 to Fully Reimbursable Umbrella Agreement (KCA-4604-5)	4/28/2021	9/30/2021	Reimbursable	-----	KSC	KCA-4604-5 Rev Bas
669	34267	Blue Origin Florida, LLC	KCA-4555-15 Rev Basic, Annex 15 annex to Fully Reimbursable Umbrella Agreement (KCA-4555-15)	3/16/2021	12/3/2023	Reimbursable	-----	KSC	KCA-4555-15 Rev Ba
670	34253	AMENTUM SERVICES, INC.	KCA-4662-10 Rev Basic, Annex 10 to Fully Reimbursable Umbrella Agreement (KCA-4662-10)	4/14/2021	9/30/2021	Reimbursable	-----	KSC	KCA-4662-10 Rev Ba

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
671	34194	AMENTUM SERVICES, INC.	KCA-4662-9 Rev Basic, Annex 9 to Fully Reimbursable Umb	3/5/2021	9/30/2021	Reimbursable	-----	KSC	KCA-4662-9 Rev Bas
672	34155	Florida Department of Transportation	KCA-4674 Rev Basic License Agreement-Indian River Bridge Demolition and Construction Project	6/15/2021	6/15/2026	Non-Reimbursable	\$0	KSC	KCA-4674 Rev Basic
673	34125	Blue Origin Florida, LLC	KCA-4555-13, Annex 13 to Fully Reimbursable Umbrella SA	2/26/2021	12/3/2023	Reimbursable	-----	KSC	KCA-4555-13 Rev Ba
674	34123	Blue Origin Florida, LLC	KCA-4555-12 Rev Basic, Annex 12 to Fully Reimbursable Ur	2/10/2021	9/30/2022	Reimbursable	-----	KSC	KCA-4555-12 Rev Ba
675	34110	Pine Island Investment Group, LLC	KCA-4653, Revision Basic for Real Property License with Pine Island Investment Group, LLC	4/7/2021	4/7/2026	Non-Reimbursable	\$0	KSC	KCA-4653 Rev Basic

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
676	34023	Firefly Aerospace Inc.	KCA-4671-1, Revision Basic Annex 1 to the Reimbursable S	3/2/2021	3/2/2023	Reimbursable	-----	KSC	KCA-4671-1 Rev. Bas
677	34022	Firefly Aerospace Inc.	KCA-4671, Rev. Basic Fully Reimbursable Umbrella SAA Be	3/1/2021	3/1/2026	Reimbursable	-----	KSC	KCA-4671 Rev. Basic
678	33992	PAE-SGT Partners LLC	KCA-4608-1 Rev Basic, Annex 1 to Fully Reimbursable Umb	9/15/2021	9/30/2021	Reimbursable	-----	KSC	KCA-4608-1 Rev Bas
679	33991	PAE-SGT Partners LLC	KCA-4608 Rev Basic, Fully Reimbursable Umbrella SAA bet	9/15/2021	3/31/2023	Reimbursable	-----	KSC	KCA-4608 Rev Basic
680	33890	Blue Origin Florida, LLC	KCA-4555-14, annex 14 to Fully Reimbursable Umbrella SA	2/10/2021	12/3/2023	Reimbursable	-----	KSC	KCA-4555-14 Rev B

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
681	33886	ASRC Federal Data Solutions	KCA-4559-31 Rev Basic, Annex 31 to Fully Reimbursable Ur	1/6/2021	9/30/2021	Reimbursable	-----	KSC	KCA-4559-31 Rev Ba
682	33885	ASRC Federal Data Solutions	Annex 30 to Fully Reimbursable Umbrella SAA between NAS	12/18/2020	9/30/2021	Reimbursable	-----	KSC	KCA-4559-30 Rev Ba
683	33871	ASRC Federal Data Solutions	Annex 28 to Fully Reimbursable Umbrella SAA between NAS	12/17/2020	9/30/2021	Reimbursable	-----	KSC	KCA-4559-28 Rev Ba
684	33859	AMENTUM SERVICES, INC.	KCA-4662-8, Annex 8 to Fully Reimbursable Umbrella SAA b	1/12/2021	9/30/2021	Reimbursable	-----	KSC	KCA-4662-8 Rev Bas
685	33792	ORBITAL ATK, INC	KCA-4500-11, Annex 11 to Reimbursable Umbrella SAA bet	12/15/2020	1/31/2022	Reimbursable	-----	KSC	KCA-4500-11 Rev Ba

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
686	33756	AMENTUM SERVICES, INC.	KCA-4662-7 Rev Basic, Annex 7 to Fully Reimbursable Umb	3/3/2021	9/30/2021	Reimbursable	-----	KSC	KCA-4662-7 Rev Bas
687	33736	HSG, LLC d/b/a HERNDON SOLUTI	Annex 8 to Fully Reimbursable Umbrella SAA between NASA	11/16/2020	9/30/2021	Reimbursable	-----	KSC	KCA-4660-8 Rev Bas
688	33726	SPACE EXPLORATION TECHNOLO	KCA-4513-22, Annex 22 to Fully Reimbursable Space Act Ur	11/16/2020	9/30/2022	Reimbursable	-----	KSC	KCA-4513-22 Rev Ba
689	33677	HSG, LLC d/b/a HERNDON SOLUTI	Annex 7 to Fully Reimbursable Umbrella SAA between NASA	11/16/2020	9/30/2021	Reimbursable	-----	KSC	KCA-4660-7 Rev Bas
690	33641	HSG, LLC d/b/a HERNDON SOLUTI	Annex 5 to Fully Reimbursable Umbrella SAA between NASA	11/2/2020	9/30/2021	Reimbursable	-----	KSC	KCA-4660-5 Rev Bas

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
691	33633	ASRC Federal Data Solutions	Annex 27 to Fully Reimbursable Umbrella SAA between NASA and ASRC	10/28/2020	9/30/2021	Reimbursable	-----	KSC	KCA-4559-27 Rev Bas
692	33609	AMENTUM SERVICES, INC.	Annex 6 to Fully Reimbursable Umbrella SAA between NASA and Amentum	11/12/2020	9/30/2021	Reimbursable	-----	KSC	KCA-4662-6 Rev Bas
693	33608	AMENTUM SERVICES, INC.	Annex 5 to Fully Reimbursable Umbrella SAA between NASA and Amentum	11/12/2020	9/30/2021	Reimbursable	-----	KSC	KCA-4662-5 Rev Bas
694	33607	AMENTUM SERVICES, INC.	Annex 4 to Fully Reimbursable Umbrella SAA between NASA and Amentum	11/12/2020	9/30/2021	Reimbursable	-----	KSC	KCA-4662-4 Rev Bas
695	33593	AMENTUM SERVICES, INC.	Annex 3 to Fully Reimbursable Umbrella SAA between NASA and Amentum	11/12/2020	9/30/2021	Reimbursable	-----	KSC	KCA-4662-3 Rev Bas

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
696	33592	AMENTUM SERVICES, INC.	Annex 2 to Fully Reimbursable Umbrella SAA between NASA and Amentum	11/12/2020	9/30/2021	Reimbursable	-----	KSC	KCA-4662-2 Rev Bas
697	33588	UNITED LAUNCH ALLIANCE, LLC	KCA-4556-34, Annex 34 to Fully Reimbursable SAA between NASA and United Launch Alliance	10/21/2020	2/21/2023	Reimbursable	-----	KSC	KCA-4556-34 Rev Ba
698	33570	HSG, LLC d/b/a HERNDON SOLUTIONS	Annex 6 to Fully Reimbursable Umbrella SAA between NASA and Herndon Solutions	11/2/2020	9/30/2021	Reimbursable	-----	KSC	KCA-4660-6 Rev Bas
699	33564	THE BOEING COMPANY	KCA-4515-9, Annex 9 to Reimbursable Umbrella SAA between NASA and Boeing	11/17/2020	9/30/2022	Reimbursable	-----	KSC	KCA-4515-9 Rev Bas
700	33561	HSG, LLC d/b/a HERNDON SOLUTIONS	Annex 4 to Fully Reimbursable Umbrella SAA between NASA and Herndon Solutions	10/21/2020	9/30/2021	Reimbursable	-----	KSC	KCA-4660-4 Rev Bas

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
701	33551	SPACE EXPLORATION TECHNOLOGIES, LLC	KCA-4513-21, Annex 21 to Fully Reimbursable Space Act Umbrella SAA between NASA and SETI	10/15/2020	9/30/2021	Reimbursable	-----	KSC	KCA-4513-21 Rev Bas
702	33540	HSG, LLC d/b/a HERNDON SOLUTIONS	Annex 3 to Fully Reimbursable Umbrella SAA between NASA and HSG, LLC d/b/a Herndon Solutions	10/16/2020	9/30/2021	Reimbursable	-----	KSC	KCA-4660-3 Rev Bas
703	33494	HSG, LLC d/b/a HERNDON SOLUTIONS	Annex 2 to Fully Reimbursable Umbrella SAA between NASA and HSG, LLC d/b/a Herndon Solutions	10/7/2020	9/30/2022	Reimbursable	-----	KSC	KCA-4660-2 Rev Bas
704	33461	HSG, LLC d/b/a HERNDON SOLUTIONS	Fully Reimbursable Umbrella SAA between NASA and HSG, LLC d/b/a Herndon Solutions	10/7/2020	9/30/2022	Reimbursable	-----	KSC	KCA-4660 Rev Basic
705	33421	AMENTUM SERVICES, INC.	Annex 1 to Fully Reimbursable Umbrella SAA between NASA and Amentum Services, Inc.	11/2/2020	9/30/2021	Reimbursable	-----	KSC	KCA-4662-1 Rev Bas

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
706	33420	AMENTUM SERVICES, INC.	Fully Reimbursable Umbrella SAA between NASA and Amer	10/29/2020	9/30/2022	Reimbursable	-----	KSC	KCA-4662 Rev Basic
707	33413	Jacobs Technologies Inc.	Annex 4 to Fully Reimbursable Umbrella SAA between NASA	9/24/2020	9/30/2021	Reimbursable	-----	KSC	KCA-4604-4 Rev Bas
708	33334	THE BOEING COMPANY	KCA-4515-8, Annex 8 to Reimbursable Umbrella SAA betwe	9/15/2020	8/21/2023	Reimbursable	-----	KSC	KCA-4515-8 Rev Bas
709	33316	The Astronauts Memorial Foundation	KCA-4659, Rev. Basic, Lease Agreement for Center for Space Education (CSE) Space at the Astronauts Memorial Foundation (AMF)	9/30/2020	9/30/2022	Non-Reimbursable	\$0	KSC	KCA-4659 Rev Basic
710	33179	SPACE EXPLORATION TECHNOLOG	KCA-4513-20, Annex 20 to Fully Reimbursable Space Act Ur	8/25/2020	9/30/2021	Reimbursable	-----	KSC	KCA-4513-20 Rev Ba

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
711	33158	FLORIDA POWER & LIGHT	KCA-4655-1, Revision Basic Annex 1 to Reimbursable Space	6/17/2021	6/17/2022	Reimbursable	-----	KSC	KCA-4655-1 Rev Bas
712	33157	FLORIDA POWER & LIGHT	KCA-4655, Rev. Basic to Fully Reimbursable Umbrella Space	6/17/2021	6/16/2026	Reimbursable	-----	KSC	KCA-4655, Rev. Basi
713	32784	UNITED LAUNCH ALLIANCE, LLC	KCA-4556-33, Annex to Fully Reimbursable SAA between U	6/11/2020	2/21/2023	Reimbursable	-----	KSC	KCA-4556-33 Rev Ba
714	32750	KT Engineering Corporation	KCA-4650-1, Annex No. 1 to the Fully Reimbursable Umbrell	9/1/2020	9/1/2025	Reimbursable	-----	KSC	KCA-4650-1 Rev Bas
715	32749	KT Engineering Corporation	KCA-4650, Rev. Basic Fully Reimbursable Umbrella SAA Be	9/1/2020	9/1/2025	Reimbursable	-----	KSC	KCA-4650 Rev Basic

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
716	32438	Blue Origin Florida, LLC	KCA-4555-11, Annex to Fully Reimbursable Umbrella SAA B	4/10/2020	9/30/2021	Reimbursable	-----	KSC	KCA-4555-11
717	32270	Florida League of Cities	KCA-4601-2, Annex 2 to Reimbursable Umbrella SAA betwe	5/3/2021	11/3/2023	Reimbursable	-----	KSC	KCA-4601-2 Rev Bas
718	32262	Space Perspective, Inc.	KCA-4641-1, Annex No. 1 to the Fully Reimbursable Umbrell	4/27/2020	4/27/2022	Reimbursable	-----	KSC	KCA-4641-1 Rev Bas
719	32261	Space Perspective, Inc.	KCA-4641, Rev. Basic Fully Reimbursable Umbrella SAA Be	4/27/2020	4/27/2025	Reimbursable	-----	KSC	KCA-4641 Rev Basic
720	32230	UNITED LAUNCH ALLIANCE, LLC	KCA-4556-31,Annex 31 to Fully Reimbursable SAA between	3/13/2020	2/21/2023	Reimbursable	-----	KSC	KCA-4556-31 Rev Ba

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
721	32039	Blue Origin Florida, LLC	Annex 8 to Fully Reimbursable Umbrella SAA Between NAS	2/21/2020	12/3/2023	Reimbursable	-----	KSC	KCA-4555-8 Rev Bas
722	31927	The Astronauts Memorial Foundation	KCA-4638, Revision Basic for Reimbursable Space Act Agre	6/5/2020	6/4/2025	Reimbursable	-----	KSC	KCA-4638
723	31878	Blue Origin Florida, LLC	Annex No. 7 to Fully Reimbursable Umbrella SAA Between N	1/27/2020	12/3/2023	Reimbursable	-----	KSC	KCA-4555-7 Rev Bas
724	31537	UNITED LAUNCH ALLIANCE, LLC	Annex No. 28 to Fully Reimbursable SAA between United La	11/14/2019	2/21/2023	Reimbursable	-----	KSC	KCA-4556-28 Rev Ba
725	31382	THE BOEING COMPANY	KCA-4515-7, Reimbursable Umbrella SAA between NASA K	10/17/2019	8/20/2023	Reimbursable	-----	KSC	KCA-4515-7 Rev. Ba

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
726	31293	UNITED LAUNCH ALLIANCE, LLC	Annex No. 27 to Fully Reimbursable SAA between United La	9/25/2019	2/21/2023	Reimbursable	-----	KSC	KCA-4556-27 Rev Ba
727	31241	Eastern Florida State College	High Schools United with NASA to Create Hardware (HUNCH)	10/22/2019	10/22/2024	Non-Reimbursable	\$28,331	KSC	KCA-4629
728	31127	THE BOEING COMPANY	Annex No. 3 to Reimbursable Umbrella SAA between NASA	9/13/2019	8/21/2023	Reimbursable	-----	KSC	KCA-4515-3 Rev Bas
729	31059	RUAG Space USA, Inc	Annex No. 3 to Reimbursable Umbrella SAA with RUAG SPA	10/2/2019	10/2/2021	Reimbursable	-----	KSC	KCA-4544-3 Rev Bas
730	30997	SPACE EXPLORATION TECHNOLOG	Annex No. 18 to Fully Reimbursable Space Act Umbrella Agr	9/16/2019	9/30/2022	Reimbursable	-----	KSC	KCA-4513-18 Rev Ba

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
731	30833	SPACE COAST MACHINIST APPRENTICESHIP PROGRAM, INC.	KCA-4625, Nonreimbursable Space Act Agreement Between the National Aeronautics and Space Administration John F. Kennedy Space Center and Space Coast Machinist Apprenticeship Program for High Schools United with NASA to Create Hardware (HUNCH) Program	10/24/2019	10/24/2024	Non-Reimbursable	\$28,397	KSC	KCA-4625 Rev Basic
732	30770	UNITED LAUNCH ALLIANCE, LLC	Annex No. 24 to Fully Reimbursable SAA between United La	7/19/2019	2/21/2023	Reimbursable	-----	KSC	KCA-4556-24 Rev Ba
733	30494	UNIVERSITY OF DAYTON	Annex No. 2 to Reimbursable Umbrella SAA between KSC a	9/11/2019	12/22/2022	Reimbursable	-----	KSC	KCA-4550-2 Rev Bas
734	30480	Full Sail University	Nonreimbursable Space Act Agreement Between The National Aeronautics and Space Administration John F. Kennedy Space Center and Full Sail University for Furtherance of STEM Learning by Providing a Senior Software Design Project	12/9/2019	12/9/2021	Non-Reimbursable	\$20,058	KSC	KCA-4628 Rev Basic
735	30212	Blue Origin Florida, LLC	Annex No.5 to Fully Reimbursable Umbrella SAA Between N	4/25/2019	12/3/2023	Reimbursable	-----	KSC	KCA-4555-5 Rev Bas

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
736	30165	Jacobs Technologies Inc.	Fully Reimbursable Umbrella SAA between NASA and Jacobs	4/29/2019	9/30/2022	Reimbursable	-----	KSC	KCA-4604 Rev Basic
737	30047	Blue Origin Florida, LLC	Annex No. 4 to Fully Reimbursable Umbrella SAA Between NASA and Blue Origin	4/5/2019	12/3/2023	Reimbursable	-----	KSC	KCA-4555-4 Rev Basic
738	29903	ASTRONAUTS MEMORIAL FOUNDATION	Nonreimbursable SAA between NASA and the Astronaut Memorial Foundation for a NASA Exploration Station	4/5/2019	4/5/2024	Non-Reimbursable	\$1,082,832	KSC	KCA-4605 Rev Basic
739	29841	Winston-Salem State University	KSC Food Production and Winston-Salem State University	7/24/2019	7/24/2023	Non-Reimbursable	\$85,105	KSC	KCA-4611 Rev Basic
740	29814	Florida League of Cities	Reimbursable Umbrella SAA between NASA KSC and Florida League of Cities	7/1/2019	7/1/2024	Reimbursable	-----	KSC	KCA-4601 Rev Basic

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
741	29804	Astrotech Space Operations, LLC	KCA-4603, Nonreimbursable Space Act Agreement Between NASA KSC and Astrotech Space Operations, LLC for Reciprocal Access to Fiber Optic Communications Circuit	8/21/2019	8/21/2024	Non-Reimbursable	\$172,855	KSC	KCA-4603 Rev. Basic
742	29787	Blue Origin Florida, LLC	Annex No. 3 to Fully Reimbursable Umbrella SAA Between NASA and Blue Origin Florida, LLC	2/14/2019	12/3/2023	Reimbursable	-----	KSC	KCA-4555-3 Rev Basic
743	29729	Blazing Trails	KCA-4606, Nonreimbursable Space Act Agreement Between the National Aeronautics and Space Administration John F. Kennedy Space Center and Blazing Trails for High Schools United with NASA to Create Hardware (HUNCH) Program	5/8/2019	5/8/2024	Non-Reimbursable	\$48,432	KSC	KCA-4606 Rev Basic
744	29653	Pressure Dynamic Consultants PDC	Research and Development of Hydrogen Liquid to Gas Conversion	6/5/2019	9/30/2022	Reimbursable	-----	KSC	KCA-4598-1 Rev Basic
745	29652	Pressure Dynamic Consultants PDC	Reimbursable Umbrella SAA with PDC for High Pressure Hydrogen	6/5/2019	6/4/2024	Reimbursable	-----	KSC	KCA-4598 Rev Basic

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
746	29609	Blue Origin Florida, LLC	Annex No. 2 to Fully Reimbursable Umbrella SAA Between N	12/27/2018	12/3/2023	Reimbursable	-----	KSC	KCA-4555-2 Rev Bas
747	29503	University of North Dakota	Nonreimbursable Space Act Agreement with University of North Dakota MISSE-11 Mission for Spacesuit Material Sample	12/13/2018	12/13/2023	Non-Reimbursable	\$2,214	KSC	KCA-4595 Rev Basic
748	29481	UNITED LAUNCH ALLIANCE, LLC	Annex No.13 to Fully Reimbursable SAA between United Lau	12/3/2018	2/21/2023	Reimbursable	-----	KSC	KCA-4556-13 Rev Ba
749	29407	Mayo Clinic Jacksonville	Nonreimbursable SAA with Mayo Clinic Jacksonville for Stem Cell Research Project - SpaceX CRS-16 Mission	11/26/2018	11/26/2021	Non-Reimbursable	\$9,478	KSC	KCA-4593 Rev Basic
750	29404	Level 3 Communications, LLC	Space Act Agreement between NASA, KSC and Level 3 Communications LLC for Use of Various Fiber Optics Terminals	2/22/2019	2/22/2024	Non-Reimbursable	\$0	KSC	KCA-4586 Rev Basic

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
751	29277	BLUE ORIGIN, LLC	Annex 1 for Fully Reimbursable Umbrella SAA Between NAS	12/3/2018	12/3/2023	Reimbursable	-----	KSC	KCA-4555-1 Rev. Bas
752	29276	Blue Origin Florida, LLC	Fully Reimbursable Umbrella SAA Between NASA KSC and	12/3/2018	12/3/2023	Reimbursable	-----	KSC	KCA-4555 Rev. Basic
753	29263	THE BOEING COMPANY	Annex No. 4 to Reimbursable Umbrella SAA between NASA	10/1/2018	8/21/2023	Reimbursable	-----	KSC	KCA-4515-4 Rev Bas
754	29191	Volusia County Schools	KCA-4591, Nonreimbursable SAA between NASA, KSC and Volusia County Schools for High School Students United with NASA to Create Hardware (HUNCH) Program Participation with Volusia County Schools	3/7/2019	3/7/2024	Non-Reimbursable	\$70,444	KSC	KCA-4591 Rev Basic
755	29174	Lake Technical College	KCA-4590, Nonreimbursable SAA between NASA, KSC and Lake Technical College for High School Students United with NASA to Create Hardware (HUNCH) Program Participation with Lake Technical College (LTC)	3/15/2019	3/15/2024	Non-Reimbursable	\$67,904	KSC	KCA-4590 Rev Basic

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
756	29094	UNITED LAUNCH ALLIANCE, LLC	Annex No. 11 to Fully Reimbursable SAA between United La	9/13/2018	2/21/2023	Reimbursable	-----	KSC	KCA-4556-11 Rev Ba
757	29093	SPACE EXPLORATION TECHNOLOG	Annex No. 11 to Fully Reimbursable Space Act Umbrella Agr	9/24/2018	9/30/2022	Reimbursable	-----	KSC	KCA-4513-11 Rev Ba
758	29072	SPACE EXPLORATION TECHNOLOG	Annex No. 9 to Fully Reimbursable Space Act Umbrella Agre	9/11/2018	11/17/2022	Reimbursable	-----	KSC	KCA-4513-9 Rev Bas
759	29049	UNITED LAUNCH ALLIANCE, LLC	Annex No. 7 to Fully Reimbursable SAA between United Lau	9/11/2018	2/21/2023	Reimbursable	-----	KSC	KCA-4556-7 Rev Bas
760	28929	ORBITAL ATK, INC	Annex No. 1 to Reimbursable Umbrella SAA between KSC a	8/23/2018	8/23/2023	Reimbursable	-----	KSC	KCA-4500-1 Rev Bas

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
761	28928	ORBITAL ATK, INC	Reimbursable Umbrella SAA between KSC and Orbital Scier	8/23/2018	8/23/2023	Reimbursable	-----	KSC	KCA-4500 Rev Basic
762	28870	THE BOEING COMPANY	Annex No. 1 to Reimbursable Umbrella SAA between NASA	8/21/2018	8/21/2023	Reimbursable	-----	KSC	KCA-4515-1 Rev Bas
763	28869	THE BOEING COMPANY	Reimbursable Umbrella SAA between NASA KSC and The B	8/21/2018	8/21/2023	Reimbursable	-----	KSC	KCA-4515 Rev Basic
764	28819	Polk State College	Nonreimbursable SAA between NASA and Polk State College for High School Students United with NASA to Create Hardware (HUNCH) Program Participation	8/6/2018	8/6/2023	Non-Reimbursable	\$57,191	KSC	KCA-4582 Rev Basic
765	27999	SPACE FLORIDA, AN INDEPENDEN	Annex No.8 to Reimbursable Space Act Agreement with Spa	4/18/2018	12/14/2022	Reimbursable	-----	KSC	KCA-4548-8 Rev Bas

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
766	27912	University of Florida	Annex No. 1 to Development of Biological Imaging Systems for Growth, Biological Assessment of Flight Hardware and Space Biology Studies in Space relevant Environments with University of Florida (KCA-4572-1)	11/14/2018	11/14/2023	Non-Reimbursable	\$129,077	KSC	KCA-4572-1 Rev Basic
767	27911	University of Florida	Nonreimbursable Space Act Agreement for Collaborative Research, Technology Transfer, Academic Engagement, and Outreach Activities	11/14/2018	11/14/2023	Non-Reimbursable	\$0	KSC	KCA-4572 Rev Basic
768	27649	SPACE EXPLORATION TECHNOLOGICAL CORPORATION	Annex No. 10 to Fully Reimbursable Space Act Umbrella Agreement	2/23/2018	11/17/2022	Reimbursable	-----	KSC	KCA-4513-10 Rev Basic
769	27641	ASRC Federal Data Solutions	Fully Reimbursable Umbrella SAA between NASA and ASRC	2/26/2018	2/28/2023	Reimbursable	-----	KSC	KCA-4559 Rev Basic
770	27639	UNITED LAUNCH ALLIANCE, LLC	Annex No. 1 to Fully Reimbursable SAA between United Launch Alliance and NASA	2/22/2018	2/22/2023	Reimbursable	-----	KSC	KCA-4556-1 Rev Basic

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
771	27632	UNITED LAUNCH ALLIANCE, LLC	Fully Reimbursable SAA between United Launch Alliance, LLC and NASA	2/22/2018	2/22/2023	Reimbursable	-----	KSC	KCA-4556 Rev Basic
772	27587	SPACE FLORIDA, AN INDEPENDENT BUSINESS ENTITY	Annex No. 3 to Reimbursable Space Act Agreement with Space Florida	2/19/2018	12/14/2022	Reimbursable	-----	KSC	KCA-4548-3 Rev Basic
773	27565	SPACE FLORIDA, AN INDEPENDENT BUSINESS ENTITY	Annex No. 5 to Reimbursable Space Act Agreement with Space Florida	2/13/2018	12/14/2022	Reimbursable	-----	KSC	KCA-4548-5 Rev Basic
774	27564	SPACE FLORIDA, AN INDEPENDENT BUSINESS ENTITY	Annex No. 4 to Reimbursable Space Act Agreement with Space Florida	2/13/2018	12/14/2022	Reimbursable	-----	KSC	KCA-4548-4 Rev Basic
775	27509	SPACE FLORIDA, AN INDEPENDENT BUSINESS ENTITY	Annex No 9 to Reimbursable Space Act Agreement with Space Florida	1/18/2018	12/14/2022	Reimbursable	-----	KSC	KCA-4548-9 Rev Basic

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
776	27507	SPACE FLORIDA, AN INDEPENDENT BUSINESS CORPORATION	Annex No. 6 to Reimbursable Space Act Agreement with Space Florida for U.S. Space Launch Services	1/18/2018	12/14/2022	Reimbursable	-----	KSC	KCA-4548-6 Rev Basic
777	27506	SPACE FLORIDA, AN INDEPENDENT BUSINESS CORPORATION	Annex No. 2 to Reimbursable Space Act Agreement with Space Florida for U.S. Space Launch Services	1/18/2018	12/14/2022	Reimbursable	-----	KSC	KCA-4548-2 Rev Basic
778	27290	UNIVERSITY OF DAYTON	Reimbursable Umbrella SAA between KSC and University of Dayton for U.S. Space Launch Services	12/22/2017	12/22/2022	Reimbursable	-----	KSC	KCA-4550 Rev Basic
779	27258	SPACE FLORIDA, AN INDEPENDENT BUSINESS CORPORATION	Annex No. 1 to Reimbursable Space Act Agreement with Space Florida for U.S. Space Launch Services	12/15/2017	12/14/2022	Reimbursable	-----	KSC	KCA-4548-1 Rev Basic
780	27257	SPACE FLORIDA, AN INDEPENDENT BUSINESS CORPORATION	Reimbursable Space Act Agreement with Space Florida for U.S. Space Launch Services	12/14/2017	12/14/2022	Reimbursable	-----	KSC	KCA-4548 Rev Basic

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
781	26866	SPACE EXPLORATION TECHNOLOGICAL CORPORATION	Annex No. 8 to Fully Reimbursable Space Act Umbrella Agreement	12/2/2017	9/30/2022	Reimbursable	-----	KSC	KCA-4513-8 Rev Bas
782	26865	SPACE EXPLORATION TECHNOLOGICAL CORPORATION	Annex No. 7 to Fully Reimbursable Space Act Umbrella Agreement	12/2/2017	9/30/2022	Reimbursable	-----	KSC	KCA-4513-7 Rev Bas
783	26861	SPACE EXPLORATION TECHNOLOGICAL CORPORATION	Annex No. 6 to Fully Reimbursable Space Act Umbrella Agreement	12/2/2017	9/30/2022	Reimbursable	-----	KSC	KCA-4513-6 Rev Bas
784	26860	SPACE EXPLORATION TECHNOLOGICAL CORPORATION	Annex No. 5 to Fully Reimbursable Space Act Umbrella Agreement	12/2/2017	9/30/2022	Reimbursable	-----	KSC	KCA-4513-5 Rev Bas
785	26859	SPACE EXPLORATION TECHNOLOGICAL CORPORATION	Annex No. 4 to Fully Reimbursable Space Act Umbrella Agreement	12/2/2017	9/30/2022	Reimbursable	-----	KSC	KCA-4513-4 Rev Bas

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
786	26858	SPACE EXPLORATION TECHNOLOGY CENTER	Annex No. 3 to Fully Reimbursable Space Act Umbrella Agreement	12/2/2017	9/30/2022	Reimbursable	-----	KSC	KCA-4513-3 Rev Basic
787	26857	SPACE EXPLORATION TECHNOLOGY CENTER	Annex No. 2 to Fully Reimbursable Space Act Umbrella Agreement	12/2/2017	9/30/2022	Reimbursable	-----	KSC	KCA-4513-2 Rev Basic
788	26856	SPACE EXPLORATION TECHNOLOGY CENTER	Annex No. 1 to Fully Reimbursable Space Act Umbrella Agreement	11/17/2017	11/17/2022	Reimbursable	-----	KSC	KCA-4513-1 Rev Basic
789	26855	SPACE EXPLORATION TECHNOLOGY CENTER	Fully Reimbursable Space Act Umbrella Agreement between KSC and STS	11/17/2017	11/17/2022	Reimbursable	-----	KSC	KCA-4513 Rev Basic
790	26738	Valencia College	Nonreimbursable SAA between NASA and Valencia College for High School Students United with NASA to Create Hardware (HUNCH) Program Participation	9/7/2017	9/7/2022	Non-Reimbursable	\$227,557	KSC	KCA-4528 Rev Basic

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
791	26245	PPG Industries, Inc	Reimbursable SAA between NASA and PPG Industries, Inc f	12/20/2017	12/19/2021	Reimbursable	-----	KSC	KCA-4554 Rev Basic
792	25982	Canaveral Council of Technical Societies	Nonreimbursable Space Act Agreement with CCTS for the Collaboration on the Annual Space Congress Event	6/14/2017	6/14/2022	Non-Reimbursable	\$162,020	KSC	KCA-4526
793	25967	RUAG Space USA, Inc	Reimbursable Umbrella SAA with RUAG SPACE USA, INC f	9/21/2017	9/21/2022	Reimbursable	-----	KSC	KCA-4544
794	25544	University of Puerto Rico	Nonreimbursable Agreement between NASA and Univ Puerto Rico for NASA Educator Resource Center	7/13/2017	7/13/2022	Non-Reimbursable	\$19,888	KSC	KCA-4529 Rev Basic
795	24702	Space Exploration Technology Corp	Property Agreement between NASA KSC and SpaceX for the Use of Launch Complex 39 Pad A	4/14/2014	4/14/2034	Other	-----	KSC	KCA-4360 Rev Basic

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
796	24609	SEMINOLE COUNTY PUBLIC SCHOOLS	KCA-4517, Nonreimbursable SAA between NASA KSC and the School Board of Seminole County, FL for High School Students United with NASA to Create Hardware (HUNCH) Program Participation	10/19/2017	10/19/2022	Non-Reimbursable	\$277,277	KSC	KCA-4517
797	24385	Blue Origin, LLC	Fully Reimbursable SAA between Blue Origin, LLC and NASA	3/27/2017	3/27/2022	Reimbursable	-----	KSC	KCA-4514
798	24320	Brevard County Public Schools	Nonreimbursable SAA between NASA and High School Students United to Create Hardware (HUNCH) Program Participation (Brevard County)	4/21/2017	4/21/2022	Non-Reimbursable	\$539,103	KSC	KCA-4518
799	23983	Blue Origin	Nonreimbursable SAA between NASA and Blue Origin for Commercial Space Capabilities Collaboration	4/15/2016	9/30/2022	Non-Reimbursable	\$248,453	KSC	KCA-4502
800	23737	University of the Virgin Islands St. Thomas	Nonreimbursable SAA between University of the VI St. Thomas and NASA for Regional Educator Resource Center	4/19/2017	4/19/2022	Non-Reimbursable	\$45,844	KSC	KCA-4498

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
801	20723	Space Florida	Property Agreement between NASA KSC and Space Florida	6/22/2015	6/22/2045	Reimbursable	-----	KSC	KCA-4412
802	15983	Air Liquide Large Industries U.S. LP	Grant of Easement for Right of Way for Air Liquide Large Ind	7/25/2013	7/25/2023	Non-Reimbursable	-----	KSC	KCA-4400 Rev Basic
803	14880	Sierra Nevada Corporation	Space Act Agreement between NASA and Sierra Nevada Corporation for Commercial Crew Integrated Capability (CCiCap)	8/2/2012	8/1/2022	Funded	\$227,500,000	KSC	NNK12MS03S
804	10940	Space Florida, an independent speci	Real Property Use Permit between NASA KSC and Space Fl	10/6/2011	6/1/2027	Reimbursable	-----	KSC	KCA-4311
805	10479	UNITED LAUNCH ALLIANCE, LLC	SAA between United Launch Alliance and NASA Launch Ser	8/23/2011	12/31/2027	Reimbursable	-----	KSC	KCA-4333

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
806	7016	Florida Power & Light Company	Grant of Easement for Right of Way for Electric Power Trans	11/6/2009	11/6/2034	Non-Reimbursable	-----	KSC	KCA-4250 Rev Basic
807	3798	SPACE FLORIDA, AN INDEPENDEN	REAL PROPERTY USE PERMIT BETWEEN NASA AND SF	2/8/2001	2/8/2031	Reimbursable	-----	KSC	KCA-1683-BASIC
808	3786	Florida Space Authority	USE PERMIT FOR DESIGN, CONSTRUCTION & ACTIVAT	11/1/1999	12/31/9999	Non-Reimbursable	-----	KSC	KCA-1487-BASIC
809	35489	THE BOEING COMPANY	annex to Aerospace Research Development	9/30/2021	2/3/2022	Non-Reimbursable	\$527,455	LaRC	SAA1-23831, Annex 18
810	35139	Radford University	NASA's Modeling and Simulation-Based Educator Professional Development (EPD) Workshop for High School Mathematics	8/25/2021	8/25/2022	Non-Reimbursable	\$24,327	LaRC	SAA1-32792, Annex 2

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
811	35070	Varda Space Industries	EDL Analysis Support	8/16/2021	8/16/2023	Reimbursable	-----	LaRC	SAA1-35070
812	34962	Blue Origin, LLC	Hypersonic Aerophysics Support of Blue Origin Reusable Se	8/30/2021	3/30/2022	Reimbursable	-----	LaRC	SAA2-403403
813	34858	Skydio, Inc.	Flight Testing and Integration of UAS for Autonomous Surveillance Inspection and Emergency Response Operations	9/9/2021	9/9/2023	Non-Reimbursable	\$204,568	LaRC	SAA2-403630, Annex 2
814	34769	idoodIEDU, inc	Support of the Cubes in Space Initiative	8/13/2021	8/13/2026	Non-Reimbursable	\$46,355	LaRC	SAA1-34769
815	34717	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	Self-Erectable Lunar Tower for Instrument (SELTl) Development	7/6/2021	7/6/2024	Non-Reimbursable	\$694,498	LaRC	SAA1-34717

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
816	34637	Tethers Unlimited, Inc.	Concept Studies for Low-Cost Debris Collection, Transportation, and In-Space Manufacturing & Assembly	9/28/2021	9/28/2023	Non-Reimbursable	\$89,948	LaRC	SAA1-34637
817	34377	Old Dominion University	Visual Attention Allocation and Trust in Human-Autonomy Teaming	5/3/2021	5/3/2026	Non-Reimbursable	\$527,702	LaRC	SAA1-34376, Annex 1
818	34376	Old Dominion University	Collaboration Research, Development, and Testing	5/3/2021	5/3/2026	Non-Reimbursable	\$0	LaRC	SAA1-34376
819	34374	Honeywell International, Inc.	Acoustic Liner Tests	4/30/2021	4/30/2022	Reimbursable	-----	LaRC	
820	34369	UNIVERSITY OF WYOMING	Validation and Verification of Unsteady Pressure Measurement Technology	4/28/2021	11/30/2021	Non-Reimbursable	\$25,710	LaRC	SAA1-34369

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
821	34298	Lehigh University	Mentoring for University Technical Entrepreneurship Program	4/28/2021	4/28/2023	Non-Reimbursable	\$5,371	LaRC	SAA1-34298
822	34288	Arizona State University	Investigation of Bio-Inspired Material Surfaces for Dust Mitigation in Space Applications	4/5/2021	4/5/2024	Non-Reimbursable	\$16,910	LaRC	SAA1-34287, Annex 1
823	34287	Arizona State University	Collaborative Aerospace Research and Outreach	4/5/2021	4/5/2026	Non-Reimbursable	\$0	LaRC	SAA1-34287
824	34273	The Longbow Group, LLC	Beyond Visual Line Of Sight (BVLOS) UAS Flight Corridor Development for Advanced Air Mobility (AAM) High Density Vertiplex Flight Test	4/12/2021	3/12/2022	Non-Reimbursable	\$92,416	LaRC	SAA1-34272, Annex 1
825	34272	The Longbow Group, LLC	Unmanned Systems Collaborative testing at Fort Monroe	4/12/2021	4/12/2026	Non-Reimbursable	\$0	LaRC	SAA1-34272

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
826	34230	Blue Origin, LLC	Terahertz Scanning Application for Blue Origin	5/12/2021	2/12/2022	Reimbursable	-----	LaRC	SAA1-34230
827	34227	THE REGENTS OF THE UNIVERSITY OF MICHIGAN	Collaborative Research on Model Fusion for Efficient Uncertainty Quantification	4/15/2021	4/15/2022	Non-Reimbursable	\$7,145	LaRC	SAA1-34227
828	34215	Stevens Institute of Technology	Boundary Layer Measurements with Advanced Diagnostics	5/3/2021	9/30/2023	Non-Reimbursable	\$302,727	LaRC	SAA1-34215
829	33846	THE BOEING COMPANY	Integration, Demonstration and Evaluation of Autonomous Systems and Tools	4/19/2021	2/3/2022	Non-Reimbursable	\$282,758	LaRC	SAA1-23831, Annex 16
830	33816	Aerion Corporation	High Mach Aircraft Research, Development and Collaboration	1/19/2021	9/30/2022	Non-Reimbursable	\$530,716	LaRC	SAA1-33813, Annex 1

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
831	33813	Aerion Corporation	Aerospace Research Development and Collaboration	1/19/2021	1/19/2026	Non-Reimbursable	\$0	LaRC	SAA1-33813
832	33748	The Boeing Company	Laser Ablation to Improve Adhesive Bonding of Aerospace Structural Thermoplastic Composite Materials	2/3/2021	2/3/2022	Non-Reimbursable	\$43,730	LaRC	SAA1-33748
833	33689	SkyCorp, Inc.	Skycorp Orbital Logistics Vehicle	3/1/2021	3/1/2022	Reimbursable	-----	LaRC	33199
834	33356	OptoKnowledge Systems, Inc.	HYMETS TESTING USING REMOTE SPECTRAL SENSOR	1/4/2021	9/30/2022	Reimbursable	-----	LaRC	SAA1-33356
835	33329	Hexcel Corporation	Investigation of Novel Usage of Embedded High Resistance Caps	9/15/2020	6/15/2022	Non-Reimbursable	\$18,976	LaRC	SAA1-33328, Annex 1

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
836	33328	Hexcel Corporation	Investigation of Manufacturing Techniques for Novel Acoustic Liners	9/15/2020	9/15/2025	Non-Reimbursable	\$0	LaRC	SAA1-33328
837	33323	The Governors School for Science and Technology	STEM Education Collaboration	9/24/2020	9/24/2023	Non-Reimbursable	\$49,366	LaRC	SAA1-33323
838	33217	UNIVERSITY OF NOTRE DAME	Cone-Traverse Study and testing in the Langley Aerothermodynamics Laboratory	11/12/2020	9/30/2022	Non-Reimbursable	\$242,218	LaRC	SAA1-33217
839	33199	SkyCorp, Inc.	Skycorp Orbital Logistics Vehicle	3/1/2021	3/1/2026	Reimbursable	-----	LaRC	33199
840	33115	National Institute of Aerospace	LABORATORY AND FACILITY USE FOR BNNT RESEARCH	10/1/2020	9/30/2022	Reimbursable	-----	LaRC	SAA1-31764, Annex 1

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
841	32988	Texas A&M University	System-Wide Safety Research in Advanced Air Mobility (AAM)	3/16/2021	3/16/2026	Non-Reimbursable	\$328,412	LaRC	SAA1-32987, Annex 1
842	32987	Texas A&M University	Advanced Air Mobility Research and Testing	3/16/2021	3/16/2026	Non-Reimbursable	\$0	LaRC	SAA1-32987
843	32960	SPECTRAL ENERGIES, LLC (SE)	High-Speed, Noninvasive, Multi-Parameter Laser Diagnostics for Transonic Flows	7/22/2020	7/22/2022	Non-Reimbursable	\$66,615	LaRC	SAA1-32960
844	32894	Techmer PM	Evaluation of Lunar Dust Simulant Adhesion on Advanced Commercial Materials	9/15/2020	5/15/2022	Non-Reimbursable	\$14,416	LaRC	SAA1-32894
845	32878	Psionic, LLC	Psionic Engineering Test Unit (ETU) Navigation Doppler Lidar	7/17/2020	12/16/2021	Reimbursable	-----	LaRC	SAA1-23647, Annex 1

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
846	32810	IKONICS Corporation	Evaluation of Facesheets with Variable Geometry	8/13/2020	2/12/2022	Non-Reimbursable	\$6,226	LaRC	SAA1-32809, Annex 1
847	32809	IKONICS Corporation	Investigation of Liner Facesheet Manufacturing Innovations	8/13/2020	8/12/2025	Non-Reimbursable	\$0	LaRC	SAA1-32809
848	32792	Radford University	Collaboration between NASA and Radford University's Modeling and Simulation Institute	8/3/2020	8/3/2025	Non-Reimbursable	\$0	LaRC	SAA1-32792
849	32735	National Institute of Aerospace	Transition Prediction and Control for Blunt Hypersonic Config	7/22/2020	3/31/2023	Reimbursable	-----	LaRC	SAA1-31764, ANNEX
850	32708	Lockheed Martin	Free-Spin Test in the NASA LaRC Vertical Spin Tunnel	4/12/2021	4/12/2022	Reimbursable	-----	LaRC	SAA1-32707, Annex

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
851	32707	Lockheed Martin	Wind Tunnel Testing	4/12/2021	4/12/2026	Reimbursable	-----	LaRC	SAA1-32707
852	32700	Worcester Polytechnic Institute	Research Collaboration between Worcester Polytechnic Institute and NASA Langley Research Center	7/20/2020	7/20/2025	Non-Reimbursable	\$65,084	LaRC	SAA1-32700
853	32663	Mississippi State University	Stitched/Resin-Infused Composites Material Characterization and Sub-Component Development	10/2/2020	6/20/2022	Non-Reimbursable	\$216,363	LaRC	SAA1-32662, Annex 1
854	32662	Mississippi State University	Cooperative Stitched Composite Structures Development and Characterization	10/2/2020	10/2/2025	Non-Reimbursable	\$0	LaRC	SAA1-32662
855	32651	JOHNS HOPKINS UNIVERSITY / APPLIED PHYSICS LAB	Dynamic Balance Proof of Concept Study	9/3/2020	9/30/2022	Non-Reimbursable	\$270,898	LaRC	SAA1-32651

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
856	32644	University of California San Diego	Investigation of bulk metallic glass materials for space applications	11/17/2020	11/17/2022	Non-Reimbursable	\$9,016	LaRC	SAA1-32643- ANNEX 1
857	32643	University of California San Diego	COLLABORATIVE AEROSPACE RESEARCH AND OUTREACH	11/17/2020	11/17/2025	Non-Reimbursable	\$0	LaRC	SAA1-32643
858	32615	STRATOLAUNCH SYSTEMS CORP	STRATOLAUNCH TESTING IN THE UNITARY PLAN WIND	8/21/2020	12/6/2021	Reimbursable	-----	LaRC	SAA2-403221, Annex
859	32602	Purdue University	Investigation of Wear-Resistant Materials for Space Applications	7/16/2020	7/16/2022	Non-Reimbursable	\$9,016	LaRC	SAA1-32601- ANNEX 1
860	32601	Purdue University	COLLABORATIVE AEROSPACE RESEARCH AND OUTREACH	7/16/2020	7/16/2025	Non-Reimbursable	\$0	LaRC	SAA1-32601

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
861	32576	Carnegie Mellon University	Carnegie Melon University (CMU) Collaboration with NASA LaRC on the Research and Development of the Qualification of Additively Manufactured Parts	7/13/2020	7/13/2025	Non-Reimbursable	\$675,580	LaRC	SAA1-32576
862	32508	UNIVERSITY OF NORTH DAKOTA	Investigation of Novel Wear-Resistant Materials for Space Applications	7/24/2020	7/24/2023	Non-Reimbursable	\$39,258	LaRC	SAA1-32507
863	32507	UNIVERSITY OF NORTH DAKOTA	Collaborative Aerospace and Research	7/24/2020	7/24/2025	Non-Reimbursable	\$0	LaRC	SAA1-32507
864	32502	BLUE ORIGIN, LLC	Buffet Pressure Database Development	7/9/2020	9/30/2021	Reimbursable	-----	LaRC	SAA1-32502
865	32450	L3HARRIS TECHNOLOGIES, INC.	Antenna Radar Cross Section Testing	12/15/2020	9/30/2021	Reimbursable	-----	LaRC	SAA1-32449, ANNEX

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
866	32449	L3HARRIS TECHNOLOGIES, INC.	Aerospace Research Development Testing and Evaluation S	12/15/2020	12/15/2025	Reimbursable	-----	LaRC	SAA1-32449
867	32389	Innovaveering, LLC	Mach Sensor Testing in the Arc-Heated Scramjet Test Facility	8/12/2020	3/1/2022	Non-Reimbursable	\$102,709	LaRC	SAA1-32389
868	32320	THE UNIVERSITY OF TEXAS AT SAN ANTONIO	Shock Wave Boundary Layer Interactions	11/19/2020	9/30/2021	Non-Reimbursable	\$328,711	LaRC	SAA1-32320
869	32298	THE VIRGINIA AIR AND SPACE CENTER AND CITY OF HAMPTON	A Joint Public Lecture Series Entitled The Sigma Series	7/30/2020	7/30/2025	Non-Reimbursable	\$105,598	LaRC	SAA1-32298
870	32297	The Boeing Company	Advancement of Acoustic Lining Design Methods and Tools	3/4/2021	9/30/2022	Non-Reimbursable	\$26,433	LaRC	SAA1-23831, ANNEX 15

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
871	32296	The Boeing Company	Flight Test of B737MAX-9	6/2/2021	9/30/2023	Non-Reimbursable	\$13,010	LaRC	SAA1-23831, Annex 14
872	32252	Blue Origin, LLC	Provide Forced Oscillation Testing in Transonic Dynamics T	11/4/2020	8/31/2022	Reimbursable	-----	LaRC	SAA2-403403, Annex
873	32242	University of North Carolina at Chapel Hill	Mentoring for Commercializing Emerging Technologies Studies	8/10/2021	8/10/2026	Non-Reimbursable	\$9,313	LaRC	SAA1-32242
874	32177	BLUE ORIGIN, LLC	COLLABORATION ON SYSTEMS ENGINEERING PROCESSES FOR VERIFICATION AND VALIDATION OF LAUNCH VEHICLE REQUIREMENTS	4/23/2020	10/31/2021	Non-Reimbursable	\$175,117	LaRC	SAA1-32177
875	32166	VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY	Air Quality Monitoring Site	8/13/2020	8/13/2025	Non-Reimbursable	\$47,380	LaRC	IA1-32166

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
876	32151	The Boeing Company	Shape Memory Alloy Remote Control Actuation Test, Phase 3	1/12/2021	1/12/2022	Non-Reimbursable	\$218,628	LaRC	SAA1-32151
877	32091	INTEL CORPORATION	FABRICATION OF COPPER AND DIAMOND - COMPOSITE	8/17/2021	10/31/2022	Reimbursable	-----	LaRC	SAA1-32088-Annex 1
878	32088	INTEL CORPORATION	Development of high thermal conductivity material for next ge	8/17/2021	8/17/2026	Reimbursable	-----	LaRC	SAA1-32088
879	32044	National Institute for Aviation Research-Wichita State University (nlar)	Composites NDE standards library and database administration	4/24/2020	4/24/2025	Non-Reimbursable	\$23,548	LaRC	SAA1-32044
880	32037	Hermeus Corporation	High Mach Aircraft Research and Development Collaboration	11/9/2020	11/9/2025	Non-Reimbursable	\$540,705	LaRC	SAA1-32036

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
881	32036	Hermeus Corporation	Collaboration for Aerospace Research, Development and Testing	11/9/2020	11/9/2025	Non-Reimbursable	\$0	LaRC	SAA1-32036
882	31974	TEXAS A&M UNIVERSITY	Boundary Layer Turbulence (BOLT) Flight II Experiments	4/23/2021	9/30/2022	Non-Reimbursable	\$256,604	LaRC	SAA1-31974
883	31765	National Institute of Aerospace	Novel Concepts for Transition Delay in Hypersonic Boundary	7/17/2020	3/31/2023	Reimbursable	-----	LaRC	SAA1-31764, Annex
884	31764	National Institute of Aerospace	RESEARCH, EDUCATIONAL OUTREACH, AND TESTING	7/17/2020	7/17/2025	Reimbursable	-----	LaRC	SAA1-31764
885	31663	THE SPACESHIP COMPANY	Collaboration to Commercialize High Mach Aircraft	3/20/2020	3/20/2025	Non-Reimbursable	\$0	LaRC	SAA1-31663

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
886	31490	Test Resources Management Center	SKYRANGE CAPABILITY DEVELOPMENT, DEMONSTRATION	5/26/2020	4/21/2022	Reimbursable	-----	LaRC	IA1-24848, Annex 5
887	31409	ASX Composites	Co-Cure-Ply Materials Development	11/26/2019	11/30/2022	Non-Reimbursable	\$123,983	LaRC	SAA1-31409
888	31340	Lockheed Martin	Advanced Additive Manufacturing Technologies	12/10/2019	12/10/2021	Non-Reimbursable	\$11,917	LaRC	SAA1-31340
889	31252	North Carolina State University	Wind Tunnel Testing of Pressure Sensitive Paint	11/12/2019	5/31/2023	Non-Reimbursable	\$92,816	LaRC	SAA1-23398, Annex 5
890	31140	GENERAL ATOMICS AERONAUTICS	Evaluation of Acoustic Liners for Fan Noise Reduction	10/9/2019	10/9/2024	Reimbursable	-----	LaRC	SAA1-31140

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
891	31071	Genetoo, Inc.	Laser Surface Treatment and Analysis of Metal Alloys for Adhesion Mitigation	9/30/2019	12/31/2021	Non-Reimbursable	\$87,711	LaRC	SAA1-31071
892	31038	The Boeing Company	annex to AEROSPACE RESEARCH AND DEVELOPMENT	10/22/2019	12/31/2021	Reimbursable	-----	LaRC	SAA1-21619, Annex
893	30948	Honda Aircraft Company LLC	Honda Aircraft Company Wind Tunnel Testing	9/5/2019	9/5/2022	Reimbursable	-----	LaRC	SAA1-30948
894	30865	Purdue University	Hypersonic Boundary Layer Cone Fin and Cone Flap Studies	3/23/2020	7/19/2022	Non-Reimbursable	\$357,283	LaRC	SAA1-25183, Annex 2
895	30776	University of Maryland	Support of Fluid-Structure Interactions Testing, Part 2, in LaRC 20-Inch Mach 6 Tunnel	12/5/2019	1/31/2022	Non-Reimbursable	\$176,790	LaRC	SAA1-25454, Annex 3

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
896	30707	MOOG, INC	Autonomous Flight Control Development for Electric VTOL Vehicles	1/18/2020	9/29/2022	Non-Reimbursable	\$124,163	LaRC	SAA1-30706
897	30706	MOOG, INC	AEROSPACE RESEARCH TECHNOLOGY AND DEVELOPMENT	1/18/2020	1/18/2025	Non-Reimbursable	\$0	LaRC	SAA1-30706
898	30638	NORTH CAROLINA STATE UNIVERSITY	HIGH-FIDELITY MODEL DEVOPMENT FOR SCRAMJET COMBUSTOR FLOWPATHS	8/12/2019	5/31/2023	Non-Reimbursable	\$75,603	LaRC	SAA1-23398, Annex 4
899	30606	BNNT, LLC	DEVELOPMENT AND OPTIMIZATION OF BORON NITRIDE NANOTUBES	8/21/2019	8/21/2024	Non-Reimbursable	\$0	LaRC	SAA1-30606
900	30465	The Boeing Company	Flight Evaluation of NASA Langley's Safeguard Technology	5/4/2020	5/4/2022	Non-Reimbursable	\$46,272	LaRC	SAA1-23831, Annex 11

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
901	30237	HRL Laboratories, LLC	Evaluation of Aerospace Coatings for Mitigation of Environmental Degradation	9/30/2019	9/30/2022	Reimbursable	-----	LaRC	SAA1-30237
902	30164	SIKORSKY AIRCRAFT CORP	Stroking Main Rotor Gearbox and Lower Fuselage Gun Mount	9/17/2019	11/30/2021	Reimbursable	-----	LaRC	SAA1-30164
903	29851	Exothermics, Inc.	Thermochemical Response of UHT Hypersonic Leading-Edge	3/26/2019	9/30/2022	Reimbursable	-----	LaRC	SAA1-29851
904	29737	Florida State University	Validation of a Liner Drag Measurement/Computational Tool	3/19/2019	1/1/2022	Non-Reimbursable	\$14,020	LaRC	SAA1--29737
905	29707	Calspan-University at Buffalo Research Center	FREESTREAM MEASUREMENT TESTING	3/6/2019	11/30/2022	Non-Reimbursable	\$2,256	LaRC	SAA1-29707

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
906	29424	Williamsburg-James City County Public Schools	High School Students United With NASA to Create Hardware Program	2/6/2019	2/6/2024	Non-Reimbursable	\$0	LaRC	SAA1-29424
907	29215	Purdue University	Deployable Composite Sail Structure Materials Modeling Research	2/22/2019	9/30/2023	Non-Reimbursable	\$15,826	LaRC	SAA1-29213, Annex 2
908	29213	Purdue University	Deployable Composite Solar Sail Structural Research	2/21/2019	2/21/2024	Non-Reimbursable	\$0	LaRC	SAA1-29213
909	28808	The Boeing Company	The Development of a Science, Technology, Engineering and Mathematics Capable Workforce	11/21/2018	11/21/2021	Non-Reimbursable	\$540,068	LaRC	SAA1-28808
910	28789	Wichita State University	Acoustic and Aero Liner Research	10/1/2018	10/1/2023	Non-Reimbursable	\$0	LaRC	SAA1-28789

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
911	28502	North Carolina State University	Deployable Composite Booms and Deployment Systems	8/27/2018	5/31/2023	Non-Reimbursable	\$52,604	LaRC	SAA1-23398, Annex 3
912	28174	LOCKHEED MARTIN	Revolutionary Fabrication Methods and Materials Testing of	7/17/2018	7/17/2023	Reimbursable	-----	LaRC	SAA1-28174
913	27921	Tech Center LLC	Cooperative Research Activities In Manufacturing Technolog	7/13/2018	7/13/2023	Reimbursable	-----	LaRC	SAA1-27921
914	27829	Boom Supersonic	Aerospace Research and Development	5/8/2018	5/8/2023	Reimbursable	-----	LaRC	SAA1-27829
915	27785	George Mason University	Interatomic Potential Development for Molecular Dynamics Simulations	5/31/2018	5/31/2023	Non-Reimbursable	\$278,363	LaRC	SAA1-27785

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
916	27263	BLACK LABORATORIES, LLC	Materials Characterization	4/18/2018	4/18/2022	Reimbursable	-----	LaRC	SAA1-27263
917	26728	Hyperloop Transportation Technology, Inc.	Research, Development, and Testing of Aerospace Technology	1/30/2018	1/30/2023	Reimbursable	-----	LaRC	26728
918	26344	ALASKA AIRLINES	Research and Development Collaboration	9/25/2017	9/25/2022	Non-Reimbursable	\$0	LaRC	SAA1-26344
919	25551	JOHN HOPKINS APPLIED PHYSICS	Multifunctional Hypersonic Materials and Coatings	5/10/2017	12/31/2021	Reimbursable	-----	LaRC	SAA1-25551
920	25454	University of Maryland	Hypersonic ShockWave Boundary Layer Fluid Structure Interactions Technology Development	6/1/2017	6/1/2022	Non-Reimbursable	\$0	LaRC	SAA1-25454

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
921	25384	NORFOLK STATE UNIVERSITY	ADVANCED CAPABILITIES FOR AERONAUTICS RESEARCH AND GROUND FACILITY TESTING	11/13/2017	11/13/2022	Non-Reimbursable	\$273,295	LaRC	SAA1-25384
922	25183	Purdue University	Support of Understanding of Experimental Mach 6 Hypersonic Boundary Layers (BL)	7/19/2017	7/19/2022	Non-Reimbursable	\$0	LaRC	SAA1-25183
923	24848	Test Resources Management Center	Hypersonic Test and Technology Development	4/21/2017	4/21/2022	Reimbursable	-----	LaRC	IA1-24848
924	24738	Gulfstream Aerospace Corporation	Aeroacoustic Research Activities	2/3/2017	2/3/2022	Non-Reimbursable	\$0	LaRC	SAA1-24738
925	24391	Isle of Wight County Public School	High School Students United with NASA to Create Hardware (HUNCH) Program	12/2/2016	12/2/2021	Non-Reimbursable	\$0	LaRC	SAA1-24391

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
926	24387	York County School District	High School Students United with NASA to Create Hardware (HUNCH) Program	11/29/2016	11/29/2021	Non-Reimbursable	\$0	LaRC	SAA1-24387
927	24364	North Carolina School of Science & Math	High School Students United with NASA to Create Hardware (HUNCH) Program	11/15/2016	11/15/2021	Non-Reimbursable	\$0	LaRC	SAA1-24364
928	24362	Gloucester County Public School District	High School Students United with NASA to Create Hardware (HUNCH) Program	12/6/2016	12/6/2021	Non-Reimbursable	\$0	LaRC	SAA1-24362
929	24257	Hampton City Schools	High School Students United with NASA to Create Hardware (HUNCH) Program	10/21/2016	10/21/2021	Non-Reimbursable	\$0	LaRC	SAA1-24257
930	24239	New Horizons Regional Education Center	High School Students United with NASA to Create Hardware (HUNCH) Program	10/17/2016	10/17/2021	Non-Reimbursable	\$0	LaRC	SAA1-24239

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
931	24186	Fayetteville State University	COLLABORATIVE AEROSPACE RESEARCH, DEVELOPMENT, AND TESTING OPPORTUNITIES	12/15/2016	12/15/2021	Non-Reimbursable	\$0	LaRC	SAA1-24186
932	24122	University of Washington	Technical Interchange on Applications of Data Analytics and Machine Learning in Aerospace Domains	12/5/2016	12/5/2021	Non-Reimbursable	\$0	LaRC	SAA1-24122
933	24034	The Boeing Company	Flight Deck Systems and Operations Research	1/20/2017	1/20/2022	Non-Reimbursable	\$816,127	LaRC	SAA1-24034
934	24017	Textron Aviation, Inc.	Laboratory and Flight Aeronautical Research	4/5/2017	4/5/2022	Non-Reimbursable	\$0	LaRC	SAA1-24017
935	23957	Newport News Public School District	High School Students United with NASA to Create Hardware (HUNCH) Program	10/23/2016	10/23/2021	Non-Reimbursable	\$0	LaRC	SAA1-23957

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
936	23938	Genedge Alliance	Cooperative Research Activities in Manufacturing Technolog	10/7/2016	10/7/2021	Reimbursable	-----	LaRC	SAA1-23938
937	23831	The Boeing Company	Aerospace Research Development	2/3/2017	2/3/2022	Non-Reimbursable	\$0	LaRC	SAA1-23831
938	23827	Tech Center LLC	Cooperative Research Activities in Manufacturing Technologies	7/5/2017	7/5/2022	Non-Reimbursable	\$0	LaRC	SAA1-23827
939	23647	Psionic, LLC	Space Technology Commercialization for Measurement and	12/16/2016	12/16/2021	Reimbursable	-----	LaRC	SAA1-23647
940	23579	GenEdge Alliance	Cooperative Research Activities in Manufacturing Technologies	2/23/2017	2/23/2022	Non-Reimbursable	\$0	LaRC	SAA1-23579

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
941	23461	University of Florida	Collaborative Research, Development,, and Testing	12/12/2016	12/12/2021	Non-Reimbursable	\$0	LaRC	SAA1-23461
942	23398	North Carolina State University	COLLABORATIVE AEROSPACE R ESEARCH, DEVELOPMENT, AND TESTING OPPORTUNITIES	6/20/2017	5/31/2023	Non-Reimbursable	\$0	LaRC	SAA1-23398
943	23392	Virginia Polytechnic Institute and State University	Collaborative Research, Development, and Testing Opportunities	11/16/2016	11/16/2021	Non-Reimbursable	\$0	LaRC	SAA1-23392
944	23227	Materials Research and Design, Inc.	HIGH TEMPERATURE MATERIALS TECHNICAL SUPPOR	1/4/2017	8/30/2022	Reimbursable	-----	LaRC	SAA1-23227
945	23219	TEXAS A&M ENGINEERING EXPERIMENT STATION	PARTICIPATION IN COOPERATIVE RESEARCH AND DEVELOPMENT PROJECTS	11/4/2016	11/4/2021	Non-Reimbursable	\$70,317	LaRC	SAA1-23219

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
946	22749	Raytheon Corporation	Sensor Risk Reduction Tests	12/21/2016	12/21/2021	Reimbursable	-----	LaRC	SAA1-22746, Annex
947	22746	Raytheon Corporation	Optical Remote Sensing for Space Applications in Robotics and	12/21/2016	12/21/2021	Reimbursable	-----	LaRC	SAA1-22746
948	22217	Infrasonix-Inc	Infrasonix Stethoscope Evaluation Over Human Subjects	11/28/2017	11/28/2022	Reimbursable	-----	LaRC	SAA1-22217
949	22064	Huntington Ingalls Incorporated	Manufacturing, Research and Development Activities	10/31/2016	10/31/2021	Reimbursable	-----	LaRC	SAA1-22064
950	21619	The Boeing Company	AEROSPACE RESEARCH AND DEVELOPMENT	11/20/2015	12/31/2021	Reimbursable	-----	LaRC	SAA1-21619

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
951	35435	OCHSNER CLINIC FOUNDATION	Ochsner Clinic Foundation	10/27/2021	10/26/2026	Reimbursable	-----	MSFC	SAA8-2135435
952	35423	KT Engineering Corporation	Thermal, CFD, and Acoustic analysis and support of the US	10/26/2021	10/25/2022	Reimbursable	-----	MSFC	SAA8-2031673.4
953	35102	United Launch Alliance	Annex to Launch Vehicle Manufacturing and Test Support	10/31/2017	10/31/2022	Reimbursable	-----	MSFC	SAA8-1726580.10
954	35048	Raytheon Missile Systems	Raytheon Wind Tunnel Testing	9/8/2021	6/16/2022	Reimbursable	-----	MSFC	SAA8-1725553.4
955	34839	United Launch Alliance	annex to Launch Vehicle Manufacturing and Test Support	7/7/2021	1/7/2022	Reimbursable	-----	MSFC	SAA8-1726580.9

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
956	34821	NEW MEXICO STATE UNIVERSITY	Fireball Network Station at New Mexico State University	8/11/2021	8/11/2026	Non-Reimbursable	\$1,447	MSFC	SAA8-2134821
957	34804	Ball Aerospace & Technologies Corp	annex to Space Environmental Effects Testing and Material C	7/21/2021	7/21/2022	Reimbursable	-----	MSFC	SAA8-1931239.2
958	34732	BLUE ORIGIN, LLC	Blue Origin Hot Gas Testing of Materials @ Hot Gas Test Fa	7/7/2021	7/7/2022	Reimbursable	-----	MSFC	SAA8-1725986.31
959	34697	United Launch Alliance	PAF and FID Vulcan Rocket Support	7/20/2021	7/20/2022	Reimbursable	-----	MSFC	SAA8-1726580
960	34695	Vivace Corporation	Vivace Corporation Demand Services	6/16/2021	6/16/2026	Reimbursable	-----	MSFC	SAA8-2134695

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
961	34690	Virgin Orbit, LLC	Virgin Orbit Newton 4 Testing (Phase II)	7/26/2021	7/26/2022	Reimbursable	-----	MSFC	SAA8-1725209.10
962	34614	Lusher Charter High School	Lusher Charter High School / High Schools United with NASA to Create Hardware (HUNCH) Program	9/14/2021	9/13/2026	Non-Reimbursable	\$77,585	MSFC	SAA8-2134614
963	34613	East Central High School - Mississippi	East Central High School - Mississippi / High Schools United with NASA to Create Hardware (HUNCH) Program	9/8/2021	9/8/2026	Non-Reimbursable	\$77,585	MSFC	SAA8-2134613
964	34607	HUNTSVILLE CITY SCHOOLS	annex TO PRODUCE HARDWARE OR OTHER USEFUL PRODUCTS UNDER THE HUNCH (HIGH SCHOOLS UNITED WITH NASA TO CREATE HARDWARE) PROGRAM	6/16/2021	6/16/2026	Non-Reimbursable	\$77,585	MSFC	SAA8-2031925.3
965	34593	LOCKHEED MARTIN	Deep Space Mission Modeling and Analysis	8/5/2021	8/5/2023	Reimbursable	-----	MSFC	SAA8-2134592.1

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
966	34592	LOCKHEED MARTIN	Exchange of Technical Expertise in Support of Deep Space E	8/5/2021	8/5/2026	Reimbursable	-----	MSFC	SAA8-2134592
967	34566	ABL Space Systems Company	ANNEX BETWEEN THE NATIONAL AERONAUTICS AND	8/23/2021	8/23/2023	Reimbursable	-----	MSFC	SAA8-2134565.1
968	34565	ABL Space Systems Company	REIMBURSABLE SPACE ACT UMBRELLA AGREEMENT E	8/23/2021	8/23/2026	Reimbursable	-----	MSFC	SAA8-2134565
969	34561	LOCKHEED MARTIN	Lockheed Martin Test @ HGF	7/14/2021	7/4/2022	Reimbursable	-----	MSFC	SAA8-2134560.1
970	34560	LOCKHEED MARTIN	Exchange of Technical Expertise for commercial space trans	7/14/2021	7/14/2026	Reimbursable	-----	MSFC	SAA8-2134560

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
971	34252	Innovative Rocket Technologies Inc.	IRocket Propulsion Technology Consultation Agreement	6/7/2021	6/7/2022	Reimbursable	-----	MSFC	SAA8-2134251.1
972	34251	Innovative Rocket Technologies Inc.	IROCKET Propulsion Technology	6/7/2021	6/7/2026	Reimbursable	-----	MSFC	SAA8-2134251
973	34237	THE BOEING COMPANY	NASA MSFC Materials Impact Testing for Boeing Research	4/27/2021	4/27/2022	Reimbursable	-----	MSFC	SAA8-2134237
974	34231	Beau Chene High School	Beau Chene High School - Louisiana / High Schools United with NASA to Create Hardware (HUNCH) Program	3/10/2021	3/10/2026	Non-Reimbursable	\$77,585	MSFC	SAA8-2134231
975	34190	Touchstone Research Lab	Touchstone TPS Testing @HGF	4/21/2021	4/21/2022	Reimbursable	-----	MSFC	SAA8-2134190

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
976	34144	Iowa State University	Microwave Millimeter Wave Studies	9/28/2021	3/28/2022	Non-Reimbursable	\$19,374	MSFC	SAA8-2134143.1
977	34143	Iowa State University	Microwave Nondestructive Evaluation (NDE) Studies	9/28/2021	9/28/2026	Non-Reimbursable	\$0	MSFC	SAA8-2134143
978	34034	Career Academies of Decatur	Career Academies of Decatur for HUNCH Program	2/2/2021	2/2/2026	Non-Reimbursable	\$77,585	MSFC	SAA8-2134034
979	34032	Hewitt-Trussville High School	Hewitt-Trussville High School / High Schools United with NASA to Create Hardware (HUNCH) Program	4/29/2021	4/29/2026	Non-Reimbursable	\$77,585	MSFC	SAA8-2134032
980	33949	Brewer High School	Brewer High School for High Schools United with NASA to Create Hardware (HUNCH) Program	4/29/2021	4/29/2026	Non-Reimbursable	\$77,585	MSFC	SAA8-2133949

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
981	33935	THE BOEING COMPANY	Boeing XSP Composite Tank	2/11/2021	2/11/2023	Reimbursable	-----	MSFC	SAA8-2133935
982	33901	General Atomics	DRACO High Temperature Component Testing	9/28/2021	9/28/2023	Reimbursable	-----	MSFC	SAA8-2133900.1
983	33900	General Atomics	DRACO High Temperature Component Testing	9/28/2021	9/28/2026	Reimbursable	-----	MSFC	SAA8-2133900
984	33819	Haigh-Farr, Inc	Haigh-Farr UHF Blade TPS Testing @HGF	12/23/2020	12/23/2021	Reimbursable	-----	MSFC	SAA8-2033819
985	33735	Textron Systems Corporation	Textron Systems Marine and Land Systems	12/8/2020	12/8/2022	Reimbursable	-----	MSFC	SAA8-2133735

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
986	33720	BK MANUFACTURING, INC	BK Manufacturing, Inc.	12/9/2020	12/9/2025	Reimbursable	-----	MSFC	SAA8-2133720
987	33719	KT Engineering Corporation	annex to FASTRAC Powerpack Testing and Aerospike Nozz	12/22/2020	12/22/2021	Reimbursable	-----	MSFC	SAA8-2031673.3
988	33697	Howe Industries LLC	Testing of Propulsion Components in MSFC Test Chamber	12/14/2020	12/14/2021	Reimbursable	-----	MSFC	SAA8-2033696.1
989	33696	Howe Industries LLC	Nuclear Thermal Propulsion System Development	12/14/2020	12/14/2025	Reimbursable	-----	MSFC	SAA8-2033696
990	33671	Dade County Middle School	Dade County Middle School for High Schools United with NASA to Create Hardware (HUNCH) Program	1/6/2021	1/6/2026	Non-Reimbursable	\$67,643	MSFC	SAA8-2033671

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
991	33670	Dade County High School	Dade County High School for High Schools United with NASA to Create Hardware (HUNCH) Program	1/6/2021	1/6/2026	Non-Reimbursable	\$67,643	MSFC	SAA8-2033670
992	33668	Maxwell High School of Technology	Maxwell High School of Technology for High Schools United with NASA to Create Hardware (HUNCH) Program	12/14/2020	12/14/2025	Non-Reimbursable	\$67,643	MSFC	SAA8-2033668
993	33667	Franklin County High School	FRANKLIN COUNTY HIGH SCHOOL FOR HIGH SCHOOLS UNITED WITH NASA TO CREATE HARDWARE (HUNCH) PROGRAM	11/5/2020	11/5/2025	Non-Reimbursable	\$67,643	MSFC	SAA8-2033667
994	33666	McDonald County High School	MCDONALD COUNTY HIGH SCHOOL FOR HIGH SCHOOLS UNITED WITH NASA TO CREATE HARDWARE (HUNCH) PROGRAM	12/1/2020	12/1/2025	Non-Reimbursable	\$67,643	MSFC	SAA8-2033666
995	33662	Meade County High School	MEADE COUNTY HIGH SCHOOL FOR HIGH SCHOOLS UNITED WITH NASA TO CREATE HARDWARE (HUNCH) PROGRAM	11/5/2020	11/5/2025	Non-Reimbursable	\$67,643	MSFC	SAA8-2033662

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
996	33654	Mt. Pleasant High School	Mt. Pleasant High School - Tennessee / High Schools United with NASA to Create Hardware (HUNCH) Program.	12/7/2020	12/7/2025	Non-Reimbursable	\$67,643	MSFC	SAA8-2033654
997	33653	Dekalb County Technology Center	Dekalb County Technology Center for High Schools United with NASA to Create Hardware (HUNCH) Program	11/19/2020	11/19/2025	Non-Reimbursable	\$67,643	MSFC	SAA8-2033653
998	33652	Marshall County Technical School	Marshall County Technical School for High Schools United with NASA to Create Hardware (HUNCH) Program	11/30/2020	11/30/2025	Non-Reimbursable	\$67,643	MSFC	SAA8-2033652
999	33651	Laurel High School	Laurel High School for High Schools United with NASA to Create Hardware (HUNCH) Program	12/15/2020	12/15/2025	Non-Reimbursable	\$67,643	MSFC	SAA8-2033651
1000	33647	Earnest Pruett Center of Technology	Earnest Pruett Center of Technology/High Schools United with NASA to Create Hardware (HUNCH) Program	3/24/2021	3/24/2026	Non-Reimbursable	\$67,643	MSFC	SAA8-2033647

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1001	33646	McGavock High School	McGavock High School - Tennessee / High Schools United with NASA to Create Hardware (HUNCH) Program	3/17/2021	3/17/2026	Non-Reimbursable	\$67,643	MSFC	SAA8-2033646
1002	33645	LINCOLN COUNTY HIGH SCHOOL	Lincoln County High School - Tennessee / High Schools United with NASA to Create Hardware (HUNCH) Program	11/13/2020	11/13/2025	Non-Reimbursable	\$67,643	MSFC	SAA8-2033645
1003	33627	HUNTSVILLE CITY SCHOOLS	Huntsville City School for High Schools United with NASA to Create Hardware (HUNCH) Program - Jemison Annex	6/16/2021	6/16/2026	Non-Reimbursable	\$67,643	MSFC	SAA8-2031925.1
1004	33577	Tellus Science Museum	Fireball Network Station at Tellus Science Museum	12/7/2020	12/7/2025	Non-Reimbursable	\$1,568	MSFC	SAA8-2033577
1005	33491	Venus Aerospace Corporation	Propulsion consultation to support design of novel thrust chamber	3/1/2021	3/1/2023	Reimbursable	-----	MSFC	SAA8-2033490.1

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1006	33490	Venus Aerospace Corporation	Support design, development and testing of novel cryogenic	3/1/2021	3/1/2026	Reimbursable	-----	MSFC	SAA8-2033490
1007	33447	AST&Science, LLC	Spacecraft Component Testing	11/3/2020	11/3/2025	Reimbursable	-----	MSFC	SAA8-2033447
1008	33445	G-Space, Inc.	Thermophysical Properties Measurements of Fluoride Glass	11/20/2020	9/30/2022	Reimbursable	-----	MSFC	SAA8-2033444.1
1009	33444	G-Space, Inc.	THERMOPHYSICAL PROPERTIES MEASUREMENTS USING	11/20/2020	11/20/2025	Reimbursable	-----	MSFC	SAA8-2033444
1010	33440	LOCKHEED MARTIN	Lockheed Martin Spun Formed Dome Development for Luna	11/30/2020	11/30/2021	Reimbursable	-----	MSFC	SAA8-2033440

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1011	33295	Microsoft Corporation	THE DISCOVERY, ACCESS AND USE OF LARGE SCIENCE DATASETS	8/11/2021	8/11/2026	Non-Reimbursable	\$685,153	MSFC	SAA8-2133294.1
1012	33294	Microsoft Corporation	THE DISCOVERY, ACCESS AND USE OF LARGE SCIENCE DATASETS	8/11/2021	8/11/2026	Non-Reimbursable	\$0	MSFC	SAA8-2133294
1013	33257	BLUE ORIGIN, LLC	Blue Origin BE-7 10K OX TPA	11/24/2020	11/24/2022	Reimbursable	-----	MSFC	SAA8-1725986.29
1014	33219	BLUE ORIGIN, LLC	Blue Origin BE-7 10K LH2 TPA	11/24/2020	11/24/2022	Reimbursable	-----	MSFC	SAA8-1725986.28
1015	33206	BLUE ORIGIN, LLC	Annex 27 to Exchange of Technical Expertise for commercial	10/22/2020	4/22/2022	Reimbursable	-----	MSFC	SAA8-1725986.27

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1016	33021	RELATIVITY SPACE, INC.	Design and manufacturing review for rocket engine compone	10/14/2020	10/14/2022	Reimbursable	-----	MSFC	SAA8-2033020.1
1017	33020	RELATIVITY SPACE, INC.	Rocket Engine Development and Test	10/14/2020	10/14/2025	Reimbursable	-----	MSFC	SAA8-2033020
1018	32872	United Launch Alliance	ULA Booster Instrumentation	7/9/2020	12/31/2021	Reimbursable	-----	MSFC	SAA8-1726580.6
1019	32805	UNIVERSITY OF ALABAMA	SAA8-2132804 Annex 1 In-situ resource utilization - lunar	2/1/2021	2/1/2023	Non-Reimbursable	\$43,752	MSFC	SAA8-2132804.1
1020	32804	UNIVERSITY OF ALABAMA	Space Exploration Technology Development	2/1/2021	2/1/2026	Non-Reimbursable	\$0	MSFC	SAA8-2132804

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1021	32789	X-Bow Launch Systems Inc.	ANALYSIS FOR ADDITIVELY MANUFACTURED SOLID ROCKET MOTOR PROPELLANT	1/19/2021	1/19/2022	Non-Reimbursable	\$36,646	MSFC	SAA8-2032788.1
1022	32788	X-Bow Launch Systems Inc.	COLLABORATION ON ENGINEERING TECHNOLOGIES FOR EARTH, LUNAR AND SPACE APPLICATIONS	1/19/2021	1/19/2026	Non-Reimbursable	\$0	MSFC	SAA8-2032788
1023	32718	Methuselah Foundation	The Centennial Challenges Lunar Nutrition Challenge	8/28/2020	8/28/2022	Non-Reimbursable	\$931,482	MSFC	SAA8-2032718
1024	32639	Lockheed Martin Space	Lockheed Martin Test @ HGF	6/24/2020	6/24/2022	Reimbursable	-----	MSFC	SAA8-2032638.1
1025	32638	Lockheed Martin Space	Exchange of Technical Expertise for commercial space trans	6/24/2020	6/24/2025	Reimbursable	-----	MSFC	SAA8-2032638

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1026	32636	MILLENNIUM SPACE SYSTEMS, INC	Evaluate Orbital Trajectory of Flight Experiment	11/19/2020	11/19/2022	Non-Reimbursable	\$31,414	MSFC	SAA8-2032636
1027	32583	RUAG Space USA, Inc	RUAG Bi-Sector Modal	10/29/2020	10/29/2021	Reimbursable	-----	MSFC	SAA8-1829459.3
1028	32552	ARCTIC SLOPE TECHNICAL SERVICES, INC.	Demonstrating the use of artificial intelligence computer software for space flight systems	9/28/2020	9/28/2022	Non-Reimbursable	\$307,089	MSFC	SAA8-2032551.1
1029	32551	ARCTIC SLOPE TECHNICAL SERVICES, INC.	Artificial intelligence computer software for space flight systems	9/28/2020	9/28/2025	Non-Reimbursable	\$0	MSFC	SAA8-2032551
1030	32353	Cullman Area Technology Academy	TO PRODUCE HARDWARE OR OTHER USEFUL PRODUCTS UNDER THE HIGH SCHOOLS UNITED WITH NASA TO CREATE HARDWARE (HUNCH) PROGRAM	9/23/2020	9/23/2025	Non-Reimbursable	\$72,338	MSFC	SAA8-2032353

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1031	32182	BLUE ORIGIN, LLC	Blue Origin TCA v2.0	7/7/2020	7/7/2022	Reimbursable	-----	MSFC	SAA8-1725986.25
1032	32156	Imperx, Inc.	Rugged Space Rated High Definition – Serial Data Interface (HD-SDI) Camera	5/11/2020	5/11/2022	Non-Reimbursable	\$239,458	MSFC	SAA8-2032156
1033	32095	Blue Origin Florida, LLC	Production Implementation	6/11/2020	6/11/2022	Reimbursable	-----	MSFC	SAA8-2032094.1
1034	32094	Blue Origin Florida, LLC	Production Implementation	6/11/2020	6/11/2025	Reimbursable	-----	MSFC	SAA8-2032094
1035	32084	ATK Launch Systems Inc.	ATK Hot Gas Testing	6/4/2020	6/4/2022	Reimbursable	-----	MSFC	SAA8-1931535.2

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1036	32069	KT Engineering Corporation	Annex to FASTRAC Powerpack Testing and Aerospike Nozzle Analysis	3/24/2020	3/24/2022	Reimbursable	-----	MSFC	SAA8-2031673.2
1037	31926	HUNTSVILLE CITY SCHOOLS	Huntsville City School for High Schools United with NASA to Create Hardware (HUNCH) Program - Grissom Annex	6/16/2021	6/16/2026	Non-Reimbursable	\$72,338	MSFC	SAA8-2031925.2
1038	31925	HUNTSVILLE CITY SCHOOLS	TO PRODUCE HARDWARE OR OTHER USEFUL PRODUCTS UNDER THE HUNCH (HIGH SCHOOLS UNITED WITH NASA TO CREATE HARDWARE) PROGRAM	6/16/2021	6/16/2026	Non-Reimbursable	\$0	MSFC	SAA8-2031925
1039	31862	ASTROBOTIC TECHNOLOGY, INC	Provide NASA expertise in lunar cargo transportation and lander operations	6/4/2020	6/4/2022	Reimbursable	-----	MSFC	SAA8-1930516.2
1040	31673	KT Engineering Corporation	FASTRAC Powerpack Testing and Aerospike Nozzle Analysis	2/5/2020	2/5/2023	Reimbursable	-----	MSFC	SAA8-2031673

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1041	31655	Oceangate	Oceangate Automated Fiber Placement Development	2/4/2020	2/4/2022	Reimbursable	-----	MSFC	SAA8-2031655
1042	31654	University of Louisiana at Lafayette	SAA8-2031653.1 Thermophysical Properties Measurements	10/19/2020	10/19/2021	Reimbursable	-----	MSFC	SAA8-2031653.1
1043	31653	University of Louisiana at Lafayette	SAA8-2031653 Thermophysical Properties Testing in the Ele	10/19/2020	10/19/2025	Reimbursable	-----	MSFC	SAA8-2031653
1044	31649	BLUE ORIGIN, LLC	Extreme Environment Testing and Evaluation of Material Pro	12/11/2019	12/11/2022	Reimbursable	-----	MSFC	SAA8-1931648.1
1045	31648	BLUE ORIGIN, LLC	Extreme Environment Testing and Evaluation of Material Pro	12/11/2019	12/11/2024	Reimbursable	-----	MSFC	SAA8-1931648

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1046	31571	INTUITIVE MACHINES, LLC	Development of Lunar Lander Systems Technologies	3/19/2020	3/19/2025	Reimbursable	-----	MSFC	SAA8-2031571
1047	31535	ATK Launch Systems Inc.	Exchange of Technical Expertise for commercial space trans	12/9/2019	12/9/2024	Reimbursable	-----	MSFC	SAA8-1931535
1048	31492	BLUE ORIGIN, LLC	Valve testing for development of the Blue Origin engines	7/23/2020	7/23/2022	Reimbursable	-----	MSFC	SAA8-1725986.19
1049	31336	Florida Institute of Technology	Vision-Based Navigation for Formation Flight onboard ISS	1/16/2020	1/16/2023	Non-Reimbursable	\$170,172	MSFC	SAA8-1931336
1050	31299	Ursa Major Technologies	Support of ROCETS software	10/30/2019	10/30/2021	Reimbursable	-----	MSFC	SAA8-1931298.1

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1051	31298	Ursa Major Technologies	Rocket Engine Development Support	10/30/2019	10/30/2024	Reimbursable	-----	MSFC	SAA8-1931298
1052	31239	Ball Aerospace & Technologies Corp	Space Environmental Effects Testing and Material Character	1/27/2020	1/27/2023	Reimbursable	-----	MSFC	SAA8-1931239
1053	31222	BLUE ORIGIN, LLC	annex to Exchange of Technical Expertise for commercial sp	11/20/2019	11/20/2021	Reimbursable	-----	MSFC	SAA8-1725986.18
1054	31171	BLUE ORIGIN, LLC	annex to Exchange of Technical Expertise for commercial sp	9/27/2019	8/30/2022	Reimbursable	-----	MSFC	SAA8-1725986.17
1055	31130	SPACE SYSTEMS LORAL, LLC	Room-Temperature-Vulcanized (RTV) Adhesive Coating Ma	10/21/2019	12/31/2021	Reimbursable	-----	MSFC	SAA8-1931129.1

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1056	31129	SPACE SYSTEMS LORAL, LLC	Space Environmental Effects Testing and Characterization of	10/21/2019	10/21/2024	Reimbursable	-----	MSFC	SAA8-1931129
1057	31098	U.S SPACE AND ROCKET CENTER	USSRC OPERATE AS MARSHALL SPACE FLIGHT CENTER OFFICIAL VISITOR CENTER	1/26/2021	1/26/2026	Non-Reimbursable	\$117,037	MSFC	SAA8-2031097.1
1058	31097	U.S SPACE AND ROCKET CENTER	ALABAMA SPACE SCIENCE EXHIBIT COMMISSION	1/26/2021	1/26/2026	Non-Reimbursable	\$0	MSFC	SAA8-2031097
1059	30996	PaR Systems LLC	PaR Systems LLC	1/1/2020	12/31/2024	Reimbursable	-----	MSFC	SAA8-1930996
1060	30899	RHA Materials, LLC	NEW ESL Measurements of Thermophysical Properties of M	11/30/2020	11/30/2021	Reimbursable	-----	MSFC	SAA8-1930898.1

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1061	30898	RHA Materials, LLC	Non-contact measurements of thermophysical properties of r	11/30/2020	11/30/2025	Reimbursable	-----	MSFC	SAA8-1930898
1062	30814	FIRST RF Corporation	High Speed Particle Material Impact Testing	9/25/2019	9/25/2022	Reimbursable	-----	MSFC	SAA8-1930814
1063	30516	ASTROBOTIC TECHNOLOGY, INC	Engineering Analysis and development for Commercial Luna	1/27/2020	1/27/2025	Reimbursable	-----	MSFC	SAA8-1930516
1064	30492	The Boeing Company	Annex to Aerospace Hardware Testing, Evaluation, and Rela	9/13/2019	3/22/2022	Reimbursable	-----	MSFC	SAA8-1724760.3
1065	30258	Amazon Web Services, Inc.	THE DISCOVERY, ACCESS AND USE OF LARGE SCIENCE DATASETS	1/6/2020	1/6/2022	Non-Reimbursable	\$675,455	MSFC	SAA8-1929988.1

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1066	30233	BLUE ORIGIN, LLC	Blue Origin On Demand Services	7/9/2019	7/9/2022	Reimbursable	-----	MSFC	SAA8-1830232.1
1067	30232	BLUE ORIGIN, LLC	DEMAND SERVICES AND GENERAL SUPPORT TO TEST	7/9/2019	7/9/2024	Reimbursable	-----	MSFC	SAA8-1830232
1068	30143	Cellco Partnership d/b/a Verizon Wire	FOR OPERATION OF TELECOMMUNICATIONS EQUIPME	11/26/2019	11/26/2024	Reimbursable	-----	MSFC	SAA8-1930143
1069	30136	Interstellar Technologies Corporation	Propulsion Engineering Analysis, Consultation, Feasibility Stu	9/18/2019	9/18/2024	Reimbursable	-----	MSFC	SAA8-1930136
1070	30098	NEW CINGULAR WIRELESS PCS, I	Placement of Telecommunications antenna on building 4476	12/18/2019	12/18/2024	Reimbursable	-----	MSFC	SAA8-1930098

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1071	30023	Alabama A&M University	Alabama A&M Annex 2 for Inert propellant mechanical property support	5/28/2019	7/19/2022	Non-Reimbursable	\$500	MSFC	SAA8-1726018.2
1072	30011	Google LLC	THE DISCOVERY, ACCESS AND USE OF LARGE SCIENCE DATASETS	10/21/2019	10/21/2024	Non-Reimbursable	\$0	MSFC	SAA8-1930011
1073	29988	Amazon Web Services, Inc.	THE DISCOVERY, ACCESS AND USE OF LARGE SCIENCE DATASETS	1/6/2020	1/6/2025	Non-Reimbursable	\$0	MSFC	SAA8-1929988
1074	29985	Massachusetts Institute of Technology	SPACE EXPLORATION TECHNOLOGY DEVELOPMENT IN MOTION MAGNIFICATION TECHNIQUES	5/28/2019	5/27/2022	Non-Reimbursable	\$67,372	MSFC	SAA8-1929985
1075	29718	LAWRENCE LIVERMORE NATIONAL LABORATORY	ANNEX 3 under SAA8-1521657 for HIGH RESOLUTION FO	6/10/2019	4/14/2022	Reimbursable	-----	MSFC	SAA8-1521657.3

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1076	29535	United Launch Alliance	ULA Integrated Fluid System Test (IFST)	6/6/2019	6/6/2022	Reimbursable	-----	MSFC	SAA8-1726580.5
1077	29459	RUAG Space USA, Inc	Ruag Engineering Services	1/24/2019	1/24/2024	Reimbursable	-----	MSFC	SAA8-1829459
1078	29279	Manned Space Flight Education Foundation Inc.	The Centennial Challenges Space Robotics Challenge	3/5/2019	3/5/2022	Non-Reimbursable	\$451,413	MSFC	SAA8-1829279
1079	28565	BLUE ORIGIN, LLC	annex to Exchange of Technical Expertise for commercial sp	10/29/2018	8/30/2022	Reimbursable	-----	MSFC	SAA8-1725986.10
1080	28500	OBERLIN COLLEGE	Fireball Network Station at Oberlin College	8/7/2018	8/7/2023	Non-Reimbursable	\$2,268	MSFC	SAA8-1828500

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1081	28435	Spirit Aero Systems	Rivet replacement with friction stir welds	4/25/2019	4/25/2022	Reimbursable	-----	MSFC	SAA8-1828434.1
1082	28434	Spirit Aero Systems	Collaboration in Aeronautical Vehicle Manufacturing	4/25/2019	4/25/2024	Reimbursable	-----	MSFC	SAA8-1828434
1083	28276	St. Bernard Sheriffs Department	St Bernard Sheriffs Department	7/12/2018	7/12/2023	Non-Reimbursable	\$2,932	MSFC	SAA8-1828276
1084	28013	CITY OF NEW ORLEANS, LA	City of New Orleans, LA Temporary Emergency Shelter for City Employees at MAF	3/28/2019	3/28/2024	Non-Reimbursable	\$137,705	MSFC	SAA8-1828013
1085	27934	UNIVERSITY OF PITTSBURGH	Fireball Network Station at Allegheny Observatory	10/4/2018	10/4/2023	Non-Reimbursable	\$1,701	MSFC	SAA8-1827934

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1086	27852	University of North Carolina at Green	Particle Impact Testing of Novel Nanocomposite Space Shie	11/13/2019	11/13/2022	Reimbursable	-----	MSFC	SAA8-1927851.1
1087	27851	University of North Carolina at Green	ENGINEERING COLLABORATION	11/13/2019	11/13/2022	Reimbursable	-----	MSFC	SAA8-1927851
1088	27801	Hands-On Science Center	Fireball Network Station	5/31/2018	5/31/2023	Non-Reimbursable	\$1,701	MSFC	SAA8-1827801
1089	27799	HIRAM COLLEGE	Fireball Network Station at Hiram College	5/25/2018	5/25/2023	Non-Reimbursable	\$1,701	MSFC	SAA8-1827799
1090	27793	AEROJET ROCKETDYNE, INC	Engine System Material in Collaboration with the AR-22 Project	5/23/2018	5/23/2023	Non-Reimbursable	\$75,162	MSFC	SAA8-1827793

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1091	27702	LOCKHEED MARTIN	WIND TUNNEL TESTING	5/22/2018	5/22/2023	Reimbursable	-----	MSFC	SAA8-1827702
1092	27659	Laboratory Testing Inc.	Testing and Evaluation of Material Properties in Extreme Env	10/29/2018	10/29/2021	Reimbursable	-----	MSFC	SAA8-1827658.1
1093	27658	Laboratory Testing Inc.	Testing and Evaluation of Material Properties in Extreme Env	10/29/2018	10/29/2021	Reimbursable	-----	MSFC	SAA8-1827658
1094	27541	SIERRA NEVADA CORP	Design and manufacturing review for rocket engine compone	6/11/2020	6/11/2022	Reimbursable	-----	MSFC	SAA8-2027540.1
1095	27540	SIERRA NEVADA CORPORATION	Rocket Engine Development and Test	6/11/2020	6/11/2025	Reimbursable	-----	MSFC	SAA8-2027540

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1096	27478	Northeast Arkansas Career and Technical Center	Northeast Arkansas Career and Technical Center / High Schools United with NASA to Create Hardware (HUNCH) Program.	2/27/2018	2/27/2023	Non-Reimbursable	\$70,471	MSFC	SAA8-1827478
1097	27244	United Launch Alliance	ULA Vulcan Upper Stage Test	2/21/2018	12/31/2021	Reimbursable	-----	MSFC	SAA8-1726580.3
1098	27220	Lawrence Livermore National Security	Annex 2 under SAA8-1521657 for High Resolution Focusing	3/21/2018	4/14/2022	Reimbursable	-----	MSFC	SAA8-1521657.2
1099	27194	Cimarron Composites	Cimarron Composites for Developing Advanced Technology	3/14/2018	3/14/2023	Reimbursable	-----	MSFC	SAA8-1827194
1100	26940	LOCKHEED MARTIN	Lockheed Martin Corporation Commercial	2/1/2018	9/30/2022	Reimbursable	-----	MSFC	SAA8-1826940

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1101	26915	UNITED LAUNCH ALLIANCE	Aeroscience analysis of Vulcan vehicle operations	1/4/2018	1/4/2023	Reimbursable	-----	MSFC	SAA8-1726915
1102	26805	DECATUR CITY SCHOOLS	Wide-field Meteor Network Station at Ben Davis Magnet Elementary School	1/19/2018	1/19/2023	Non-Reimbursable	\$11,295	MSFC	SAA8-1726805
1103	26656	AUBURN UNIVERSITY	SPACE EXPLORATION TECHNOLOGY DEVELOPMENT	11/8/2017	11/8/2022	Non-Reimbursable	\$0	MSFC	SAA8-1726656
1104	26604	Garland Independent School District	Annex 1 to High Schools United with NASA to Create Hardware (HUNCH) Collaboration - Garland Independent School District	11/27/2017	11/27/2022	Non-Reimbursable	\$64,786	MSFC	SAA8-1726603.1
1105	26603	Garland Independent School District	High Schools United with NASA to Create Hardware (HUNCH) Collaboration - Garland Independent School District	11/27/2017	11/27/2022	Non-Reimbursable	\$0	MSFC	SAA8-1726603

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1106	26580	United Launch Alliance	Launch Vehicle Manufacturing and Test Support	10/31/2017	10/31/2022	Reimbursable	-----	MSFC	SAA8-1726580
1107	26149	Morgan County Schools	annex to High Schools United with NASA to Create Hardware (HUNCH) Collaboration - Morgan County Schools	8/9/2017	8/9/2022	Non-Reimbursable	\$61,065	MSFC	SAA8-1726148.1
1108	26148	Morgan County Schools	High Schools United with NASA to Create Hardware (HUNCH) Collaboration - Morgan County Schools	8/9/2017	8/9/2022	Non-Reimbursable	\$0	MSFC	SAA8-1726148
1109	26082	Orbital Sciences Corporation, a wholly owned subsidiary of Northrop Grumman	Cryogenically - Fueled Upper Stage Technologies	3/2/2018	3/2/2023	Reimbursable	-----	MSFC	SAA8-1726082
1110	26057	Mt. Pleasant High Schools	Mt. Pleasant High School - Tennessee / High Schools United with NASA to Create Hardware (HUNCH) Program.	7/25/2017	7/25/2022	Non-Reimbursable	\$61,065	MSFC	SAA8-1726057

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1111	26018	Alabama A&M University	Collaborative Agreement for Synergistic Technologies with Alabama A&M University	7/19/2017	7/19/2022	Non-Reimbursable	\$0	MSFC	SAA8-1726018
1112	25986	BLUE ORIGIN, LLC	Exchange of Technical Expertise for commercial space trans	8/30/2017	8/30/2022	Reimbursable	-----	MSFC	SAA8-1725986
1113	25911	AEROJET ROCKETDYNE, INC	Annex 1 under SAA8-1725910 for Integration Support	10/3/2017	12/31/2021	Reimbursable	-----	MSFC	SAA8-1725910.1
1114	25910	AEROJET ROCKETDYNE, INC	Space Systems Technology Development and Demonstration	9/29/2017	9/29/2022	Reimbursable	-----	MSFC	SAA8-1725910
1115	25569	Orbital Telemetry, Inc	Telemetry Licensed Test and Modification Activities	7/31/2017	7/31/2022	Reimbursable	-----	MSFC	SAA8-1725569

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1116	25553	Raytheon Missile Systems	Raytheon Wind Tunnel Testing	6/16/2017	6/16/2022	Reimbursable	-----	MSFC	SAA8-1725553
1117	25438	Raytheon Missile Systems	Engineering Collaboration	6/28/2017	6/28/2022	Reimbursable	-----	MSFC	SAA8-1725438
1118	25325	United Technologies Corp	NASA MSFC requests Loan of Flight Qual Unit - CO2 Compressor and Controller	3/1/2018	3/1/2023	Non-Reimbursable	\$125	MSFC	SAA8-1725325
1119	25209	Virgin Orbit, LLC	Exchange of Technical Expertise for commercial space trans	6/9/2017	6/9/2022	Reimbursable	-----	MSFC	SAA8-1725209
1120	25202	Dodge County School	Dodge County School - Georgia / High Schools United with NASA to Create Hardware (HUNCH) Program	4/11/2017	4/11/2022	Non-Reimbursable	\$61,065	MSFC	SAA8-1725202

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1121	25200	Jonesboro High School	Jonesboro High School - Arkansas / High Schools United with NASA to Create Hardware (HUNCH) Program	4/11/2017	4/11/2022	Non-Reimbursable	\$50,610	MSFC	SAA8-1725200
1122	25199	Charles Henderson High School	Charles Henderson High School Troy, Alabama / High Schools United with NASA to Create Hardware (HUNCH) Program	4/24/2017	4/24/2022	Non-Reimbursable	\$61,065	MSFC	SAA8-1725199
1123	25198	Alan Thornton Career Technical Center	Alan Thornton Career Technical Center Alabama / High Schools United with NASA to Create Hardware (HUNCH) Program	3/24/2017	3/24/2022	Non-Reimbursable	\$61,065	MSFC	SAA8-1725198
1124	25152	University of Central Florida	Fireball Network Station at UCF	7/31/2017	7/31/2022	Non-Reimbursable	\$2,555	MSFC	SAA8-1725152
1125	25118	Walker County School District by and through the Walker County Board of Education	Fireball Network Station at Smith Planetarium	4/28/2017	4/28/2022	Non-Reimbursable	\$1,420	MSFC	SAA8-1725118

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1126	25117	Association of Universities for Research in Astronomy	Fireball Network Station at KPNO	3/30/2017	3/30/2022	Non-Reimbursable	\$2,045	MSFC	SAA8-1725117
1127	25108	Oak Ridge Board of Education	Oak Ridge Board of Education for Robertsville Middle School - NASA-UNIQUE SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM) ENGAGEMENT ACTIVITIES FOR STUDENTS	7/20/2017	7/20/2022	Non-Reimbursable	\$44,516	MSFC	SAA8-1725108
1128	25059	Embry-Riddle Aeronautical University	Fireball Network Station at ERAU	7/31/2017	7/31/2022	Non-Reimbursable	\$2,420	MSFC	SAA8-1725059
1129	24979	Magnet Cove High School	Magnet Cove High School Arkansas / High Schools United with NASA to Create Hardware (HUNCH) Program	5/1/2017	5/1/2022	Non-Reimbursable	\$61,065	MSFC	SAA8-1724979
1130	24760	The Boeing Company	Aerospace Hardware Testing, Evaluation, and Related Engin	3/22/2017	3/22/2022	Reimbursable	-----	MSFC	SAA8-1724760

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1131	24581	Blue Origin, LLC	Blue Origin, LLC Use of the National Center for Advanced Manufacturing	1/13/2017	9/30/2021	Reimbursable	-----	MSFC	SAA8-1724581
1132	24271	LAWRENCE LIVERMORE NATIONAL SECURITY AGENCY	Annex 1 under SAA8-1724270 for Development of High Resolution X-Ray Optics Support	7/25/2017	12/31/2021	Reimbursable	-----	MSFC	SAA8-1724270.1
1133	24270	Lawrence Livermore National Security Agency	High Resolution X-Ray Optics Support	7/25/2017	7/25/2022	Reimbursable	-----	MSFC	SAA8-1724270
1134	23999	Florida Turbine Technologies, Inc.	Propulsion System Elements Development and Analysis	10/20/2016	10/20/2021	Reimbursable	-----	MSFC	SAA8-1623999
1135	23799	Arizona Board of Regents, On Behalf of University of Arizona	Fireball Network Station at MMTO	10/27/2016	10/27/2021	Non-Reimbursable	\$2,045	MSFC	SAA8-1623799

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1136	23798	Arizona Board of Regents on behalf of The University of Arizona	Fireball Network Station at MLO	10/27/2016	10/27/2021	Non-Reimbursable	\$2,045	MSFC	SAA8-1623798
1137	23444	Auburn University	COLLABORATIVE AGREEMENT FOR SYNERGISTIC TECHNOLOGIES	10/21/2016	10/21/2021	Non-Reimbursable	\$0	MSFC	SAA8-1623444
1138	22752	Marshall Child Development Center Inc.	Marshall Child Development Center	7/14/2016	7/13/2022	Non-Reimbursable	\$819,115	MSFC	SAA8-1622752
1139	22487	Blade Dynamics, LLP	Blade Dynamics, LLP Occupancy and Demand Services	8/31/2016	9/30/2022	Reimbursable	-----	MSFC	SAA8-1622487
1140	21658	Lawrence Livermore National Security	HIGH RESOLUTION FOCUSING OPTICS FOR ADVANCED	4/14/2016	4/14/2022	Reimbursable	-----	MSFC	SAA8-1521657.1

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1141	21657	Lawrence Livermore National Security	HIGH RESOLUTION FOCUSING OPTICS FOR ADVANCED	4/14/2016	4/14/2022	Reimbursable	-----	MSFC	SAA8-1521657
1142	21591	Limestone County Schools	Limestone County Career Technical Center annex 1 - Limestone County Schools / High Schools United with NASA to Create Hardware (HUNCH) Program	2/3/2017	2/3/2022	Non-Reimbursable	\$27,777	MSFC	SAA8-1521590.1
1143	21590	Limestone County Schools	Limestone County Schools / High Schools United with NASA to Create Hardware (HUNCH) Program umbrella	2/3/2017	2/3/2022	Non-Reimbursable	\$0	MSFC	SAA8-1521590
1144	21380	METHUSELAH FOUNDATION	Centennial Challenges for The Tissue Engineering Challenge	2/17/2016	9/30/2021	Non-Reimbursable	\$756,555	MSFC	SAA8-1521380
1145	21246	Lockheed Martin Corporation	Lockheed Martin Corporation Annex 4	10/1/2015	9/30/2021	Reimbursable	-----	MSFC	SAA8-1620107.4

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1146	21057	Lockheed Martin Corporation	annex to Lockheed Martin Corporation Orion Project	10/1/2015	9/30/2021	Reimbursable	-----	MSFC	SAA8-1620107.1
1147	20906	Lockheed Martin Corporation	Lockheed Martin Corporation Annex 3 for support services	10/1/2015	9/30/2021	Reimbursable	-----	MSFC	SAA8-1620107.3
1148	20901	Lockheed Martin Corporation	Lockheed Martin Corporation Annex 2 for support services O	10/1/2015	9/30/2021	Reimbursable	-----	MSFC	SAA8-1620107.2
1149	20107	Lockheed Martin Corporation	Lockheed Martin Corporation Orion Project	10/1/2015	9/30/2021	Reimbursable	-----	MSFC	SAA8-1620107
1150	19465	Ochsner Clinic Foundation	Ochsner Clinic Foundation providing on-site medical services	11/1/2016	11/1/2021	Reimbursable	-----	MSFC	SAA8-1619465

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1151	4165	Department of Economic Development	Cooperative Endeavor Agreement University of New Orleans	12/18/2007	12/18/2037	Non-Reimbursable	-----	MSFC	SAA8-074165
1152	34292	LOUISIANA TECHNOLOGY TRANSFER	Louisiana Transfer Technology Office for Occupancy of SSC	5/2/2021	5/2/2026	Reimbursable	-----	SSC	SSAA-1051-0089
1153	34280	AEROJET ROCKETDYNE, INC	Reimbursable Space Act Agreement between The National Aeronautics and Space Administration and Aerojet Rocketdyne, Inc.	9/29/2021	9/29/2026	Reimbursable	-----	SSC	SSAA-1053-0182
1154	34213	Firehawk Aerospace, Inc.	Annex One Firehawk Propulsion Test Support Services	3/25/2021	3/25/2022	Reimbursable	-----	SSC	SSAA-1053-0186
1155	34212	Firehawk Aerospace, Inc.	Reimbursable Umbrella Agreement Firehawk Aerospace, Inc.	3/25/2021	3/25/2023	Reimbursable	-----	SSC	SSAA-1053-0185

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1156	33910	Launcher Space	Annex Two for Propulsion Test Support to Launcher Space	1/27/2021	1/27/2023	Reimbursable	-----	SSC	SSAA-1053-0181
1157	33761	Virgin Orbit	Annex Two to Reimbursable Umbrella Space Act Agreement	11/23/2020	11/23/2022	Reimbursable	-----	SSC	SSAA-1053-0180
1158	33619	BLUE ORIGIN, LLC	Annex Six to Blue Origin Umbrella, LOX Duct Flow Testing	12/8/2020	12/8/2022	Reimbursable	-----	SSC	SSAA-1053-0179
1159	32234	INFINITY SCIENCE CENTER, INC	Annex Three to Non-Reimbursable Space Act Umbrella Agreement Infinity Science Center, Inc. for Framework on a Regional Partnership	7/7/2020	7/7/2025	Non-Reimbursable	\$37,450	SSC	SSAA-1053-0173
1160	32233	INFINITY SCIENCE CENTER, INC	Annex Two to Non-Reimbursable Space Act Umbrella Agreement Infinity Science Center, Inc. for Framework on a Regional Partnership	7/7/2020	7/7/2025	Non-Reimbursable	\$595,711	SSC	SSAA-1053-0172

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1161	32181	INFINITY SCIENCE CENTER, INC	Annex One to Nonreimbursable Space Act Umbrella Agreement Between Infinity Science Center for Framework on a Regional Partnership	7/7/2020	7/7/2025	Non-Reimbursable	\$394,746	SSC	SSAA-1053-0171
1162	32180	Infinity Science Center, Inc.	Non-Reimbursable Space Act Umbrella Agreement Infinity Science Center, Inc. for Framework on a Regional Partnership	7/7/2020	7/7/2025	Non-Reimbursable	\$0	SSC	SSAA-1053-0170
1163	32137	Launcher Space	Annex One Propulsion Test Support to Launcher Space	3/31/2020	3/31/2022	Reimbursable	-----	SSC	SSAA-1053-0175
1164	32136	Launcher Space	Propulsion Test Support to Launcher Space	3/31/2020	3/31/2025	Reimbursable	-----	SSC	SSAA-1053-0174
1165	31148	MISSISSIPPI STATE UNIVERSITY	Annex One for Use of Restricted Airspace at John C. Stennis	1/14/2020	11/20/2022	Reimbursable	-----	SSC	SSAA-1051-0082

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1166	31147	MISSISSIPPI STATE UNIVERSITY	Umbrella Agreement for Restricted Airspace at John C. Stennis Space Field	1/14/2020	1/14/2025	Reimbursable	-----	SSC	SSAA-1051-0081
1167	30466	RELATIVITY SPACE, INC	Host Tenant Agreement Between National Aeronautics and Space Administration and Relativity Space, Inc.	5/28/2019	5/28/2028	Reimbursable	-----	SSC	SSAA-1053-0165
1168	30052	Interstellar Technologies, LLC	Propulsion Engineering and Testing Support	5/6/2019	5/6/2024	Reimbursable	-----	SSC	SSAA-1053-0162
1169	29966	Relativity Space Incorporated	Reimbursable Space Act Agreement Relativity Space, Inc. for Launch Services	5/28/2019	5/28/2028	Reimbursable	-----	SSC	SSAA-1053-0164
1170	28381	State of Mississippi Technology Transfer	Use Permit Between National Aeronautics and Space Administration and State of Mississippi	6/12/2018	4/19/2023	Reimbursable	-----	SSC	SSAA-1051-0079

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1171	28380	STATE OF MISSISSIPPI Technology	Host Tenant Agreement Between the National Aeronautics and Space Administration and the State of Mississippi	6/12/2018	4/19/2023	Reimbursable	-----	SSC	SSAA-1051-0078
1172	28334	BLUE ORIGIN, LLC	Blue Origin Umbrella Rocket Propulsion Testing and Related Activities	6/29/2018	6/29/2023	Reimbursable	-----	SSC	SSAA-1053-0154
1173	27897	STRATOLAUNCH SYSTEMS CORP	Annex Two to Reimbursable Space Act Umbrella Agreement Between the National Aeronautics and Space Administration and Stratolaunch Systems Corporation	5/11/2018	5/11/2022	Reimbursable	-----	SSC	SSAA-1053-0153
1174	27516	STATE OF MISSISSIPPI	Use of NASA facilities and services in support of the Mississippi Space Grant Consortium	4/9/2018	4/19/2023	Reimbursable	-----	SSC	SSAA-1051-0077
1175	27333	THE BOEING COMPANY	Reimbursable Space Act Umbrella Agreement Between the National Aeronautics and Space Administration and The Boeing Company	3/21/2018	3/21/2023	Reimbursable	-----	SSC	SSAA-1053-0149

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1176	26430	Hancock County Mississippi	For Hancock County EOC Continuity Site	3/19/2018	3/19/2023	Non-Reimbursable	\$0	SSC	SSAA-1051-0068
1177	26415	Infinity Science Center, Inc.	Land Use Permit Between National Aeronautics and Space A	9/10/2007	9/10/2037	Reimbursable	-----	SSC	SSAA-1053-0035
1178	26275	STRATOLAUNCH SYSTEMS CORP	Reimbursable Space Act Umbrella Agreement Between The	9/13/2017	9/13/2022	Reimbursable	-----	SSC	SSAA-1053-0139
1179	25760	The Board of Trustees of Mississippi	The Center of Higher Learning and Related University Activiti	11/29/2017	11/29/2022	Reimbursable	-----	SSC	SSAA-1051-0066
1180	25252	Innovative Imaging and Research Co	Reimbursable Space Act Agreement Between National Aero	3/16/2017	3/6/2022	Reimbursable	-----	SSC	SSAA-1053-0128

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1181	23222	Honeywell International Corporation	Cross-Center Umbrella Agreement to Support NASA Science Technology Engineering and Mathematics (STEM) Education and Outreach	10/7/2016	10/7/2021	Non-Reimbursable	\$438,844	SSC	SSAA-1053-0114
1182	18253	Lockheed Martin Corporation	Domestic Reimbursable Space Act Agreement (With Amend	1/30/2001	1/30/2051	Reimbursable	-----	SSC	SSC/PRI-01-002-06
1183	11567	Infinity Science Center, Inc.	Nonreimbursable Space Act Agreement Between for Operat	1/10/2012	1/10/2032	Non-Reimbursable	-----	SSC	SSAA-1053-0044
1184	4864	MISSISSIPPI STATE UNIVERSITY	Reimbursable Space Act Agreement Between National Aeror	1/22/2009	1/22/2024	Reimbursable	-----	SSC	SSAA-1051-0034
1185	3110	Rolls-Royce North America, Inc.	Domestic Reimbursable Space Act Agreement Between NAS	6/13/2005	6/13/2025	Reimbursable	-----	SSC	SSAA-1053-0015

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1186	3094	Aerojet Rocketdyne of DE, Inc.	Reimbursable Space Act Agreement RS-68 Engine Test Pro	5/18/1998	5/16/2023	Reimbursable	-----	SSC	SSC/PRI-98-005-03
1187	2566	Aerojet Rocketdyne of DE, Inc.	Operation of E-6 Government-Owned Engine Test Facility in	6/29/2007	6/16/2022	Non-Reimbursable	-----	SSC	SSAA-1053-0033
1188	35393	EMBRY RIDDLE AERONAUTICAL UNIVERSITY	Airglow Short-Wave Infrared (SWIR) Imager	10/18/2023	10/17/2025	Non-Reimbursable	\$26,000	WFF	GSFC-22-35393
1189	35336	ROCKET LAB USA	Annex 2 to Rocket Lab Autonomous Flight Termination Syste	10/5/2021	10/4/2023	Reimbursable	-----	WFF	GSFC-21-32608
1190	34693	Old Dominion University	Annex 2 for Educational Collaboration Relating to STEM Careers	10/26/2021	5/3/2026	Non-Reimbursable	\$8,211	WFF	LaRC SAA1-34376

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1191	34097	JOHNS HOPKINS UNIVERSITY / APPLIED PHYSICS LAB	Use of the Wallops Geophysical Observatory (WGO) for the Collection of Scientific Data from Super Dual Auroral Radar Network (SUPERDARN)	7/19/2021	7/18/2026	Non-Reimbursable	\$25,441	WFF	GSFC-21-34097
1192	34092	THE REGENTS OF THE UNIVERSITY OF COLORADO	Use of the Wallops Geophysical Observatory (WGO) for the Collection of Scientific Data from the Ionospheric Radar	7/2/2021	7/1/2026	Non-Reimbursable	\$25,441	WFF	GSFC-21-34092
1193	33612	Enroute Computer Systems	Wet Runway Brake Testing	8/30/2021	8/29/2024	Reimbursable	-----	WFF	GSFC-21-33611
1194	33611	Enroute Computer Systems	Airfield Testing and Support	8/30/2021	8/29/2026	Reimbursable	-----	WFF	GSFC-21-33611
1195	33131	Salisbury University	Test Weather Station (MESONET) system for automated weather and environmental monitoring.	11/12/2020	11/11/2025	Non-Reimbursable	\$102,500	WFF	GSFC-20-33131

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1196	32609	ROCKET LAB USA	GSFC-21-32608 Rocket Lab Umbrella Agreement Annex 1 -	7/8/2021	7/7/2023	Reimbursable	-----	WFF	GSFC-21-32608
1197	32608	ROCKET LAB USA	Rocket Lab Autonomous Flight Termination System Support	7/8/2021	7/7/2026	Reimbursable	-----	WFF	GSFC-20-32608
1198	32318	Blue Ridge Research and Consulting, LLC	Improving Rocket Launch Acoustic Models and Interpreting Raw Acoustical Data	5/1/2020	4/30/2025	Non-Reimbursable	\$27,290	WFF	GSFC-20-32318
1199	32248	Sagrad, Inc.	Range Certification Support of NASA Autonomous Flight Terminations Systems	4/29/2020	4/29/2022	Non-Reimbursable	\$1,700,000	WFF	GSFC-20-32248
1200	30338	GULFSTREAM AEROSPACE CORP	annex to Water Ingestion Testing	4/13/2020	4/13/2022	Reimbursable	-----	WFF	GSFC-17-25048 Ann

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1201	28618	Vector Launch, Inc.	Flight Safety Analysis for Launch Vehicle	11/13/2018	11/13/2021	Reimbursable	-----	WFF	GSFC-18-28618
1202	26250	Virginia Department of Health	Closed Points of Dispensing (POD) Provision of Emergency Medical Prophylaxis	7/20/2017	7/20/2022	Non-Reimbursable	\$2,000	WFF	
1203	25827	University of Massachusetts, Lowell	Further Development of Technology to Support the CubeSat Arcsecond Pointing System (CAPS)	10/26/2017	10/27/2022	Non-Reimbursable	\$15,000	WFF	GSFC-17-25827
1204	25541	V A COMMERCIAL SPACE FLIGHT	Operations and Activities for the Unmanned Aerial System R	1/9/2018	1/9/2023	Reimbursable	-----	WFF	GSFC-17-25541
1205	25526	VIRGINIA SPACE FLIGHT ACADEMY	Outreach Activities	6/7/2017	6/6/2022	Non-Reimbursable	\$8,138	WFF	GSFC-17-25526

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1206	25048	GULFSTREAM AEROSPACE CORP	Water Ingestion Testing	4/13/2017	4/13/2022	Reimbursable	-----	WFF	GSFC-17-25048
1207	12103	CELLCO/Verizon	Enhanced Use Lease Agreement/Cellco-Verizon for Greenbe	9/21/2011	9/21/2026	Reimbursable	-----	WFF	
1208	9404	Accomack County Department of Pul	Joint Emergency Planning, Response, and Management Acti	10/20/2011	1/11/2022	Reimbursable	-----	WFF	
1209	3646	Marine Science Consortium	Marine Science Consortium	2/13/2006	2/16/2022	Reimbursable	-----	WFF	SAA-GSFC-06-3646
1210	3219	Chincoteague Bay Field Station	Wallops Research Park	5/6/2009	5/6/2069	Reimbursable	-----	WFF	3219

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1211	34863	Northrop Grumman	Hypervelocity Testing in Support of Northrup Grumman (NG)	8/30/2021	8/30/2022	Reimbursable	-----	WSTF	SAA-RA-21-34863
1212	34796	Virgin Orbit, LLC	Composite Over-wrapped Pressure Vessel Damage Detection	10/14/2021	10/14/2026	Reimbursable	-----	WSTF	SAA-RA-21-34796
1213	34328	ZIN TECHNOLOGIES, INC	NASA-STD-2007-213740 Oxygen Compatibility Assessment	5/6/2021	5/6/2026	Reimbursable	-----	WSTF	SAA-RA-21-34327-01
1214	34327	ZIN TECHNOLOGIES, INC	WSTF Testing, Analysis, and Technical Expertise (Materials, Structures, and Thermal Protection Systems)	5/6/2021	5/6/2026	Reimbursable	-----	WSTF	SAA-RA-21-34327
1215	34318	AEROJET ROCKETDYNE, INC	Post Boost Propulsion System (PBPS) Static Hot-fire Testing	7/20/2021	7/20/2025	Reimbursable	-----	WSTF	SAA-RA-21-34318

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1216	34307	ILC Dover LP	NASA-STD-2007-213740 Oxygen Compatibility Assessment	8/4/2021	8/4/2026	Reimbursable	-----	WSTF	SAA-RA-21-34306-01
1217	34306	ILC Dover LP	WSTF Testing, Analysis, and Technical Expertise (Materials,	8/4/2021	8/4/2026	Reimbursable	-----	WSTF	SAA-RA-21-34306
1218	34081	THE BOEING COMPANY	Annex 3 to fabricate WSTF designed throat plugs for R40B t	10/26/2021	9/13/2023	Reimbursable	-----	WSTF	SAA-RA-18-28204-03
1219	33315	Northrop Grumman	Exposure and Mechanical Properties Testing of FEP Propella	10/8/2021	10/8/2023	Reimbursable	-----	WSTF	SAA-RA-21-33315
1220	32676	THE BOEING COMPANY	STP3 R40b Hot Fire Testing	4/29/2021	4/29/2022	Reimbursable	-----	WSTF	SAA-RA-20-32676

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1221	32596	WHA INTERNATIONAL, INC	Annex to Testing, Analysis Activities, and Exchange of Techn	11/2/2020	11/2/2021	Reimbursable	-----	WSTF	SAA-RA-17-25227-04
1222	32278	THE BOEING COMPANY	Perform R40b thruster testing, provide test data results and s	7/15/2020	7/15/2022	Reimbursable	-----	WSTF	SAA-RA-18-28204-02
1223	32046	AEROJET ROCKETDYNE, INC	annex to Space Systems Technology Development and Dem	3/12/2020	3/12/2022	Reimbursable	-----	WSTF	SAA8-1725910-06
1224	31710	BLUE ORIGIN, LLC	NASA-STD-6001 Flammability, Offgassing, Compatibility Tes	7/22/2021	4/18/2022	Reimbursable	-----	WSTF	SAA-RA-17-25434-03
1225	31581	Infinite Composites Technologies	Annex for COPV Inspection and Evaluation	5/5/2020	5/5/2025	Reimbursable	-----	WSTF	SAA-RA-20-31363-02

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1226	31520	Johnson and Johnson	Testing of N2O4 per MIL-PRF-26539G	2/26/2020	2/26/2023	Reimbursable	-----	WSTF	SAA-RA-20-31520
1227	31364	Infinite Composites Technologies	NASA-STD-2007-213740 Oxygen Compatibility Assessment	5/5/2020	5/5/2025	Reimbursable	-----	WSTF	SAA-RA-20-31363-01
1228	31363	Infinite Composites Technologies	WSTF Testing, Analysis, and Technical Expertise (Materials,	5/5/2020	5/5/2025	Reimbursable	-----	WSTF	SAA-RA-20-31363
1229	31351	BLUE ORIGIN, LLC	Training Course: Hazardouts Propellants Compatibility Traini	9/9/2021	4/18/2022	Reimbursable	-----	WSTF	SAA-RA-17-25434-02
1230	31188	Intuitive Machines, LLC	NASA Standards 6001B Testing	11/23/2020	11/23/2025	Reimbursable	-----	WSTF	SAA-RA-20-31187-01

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1231	31187	Intuitive Machines, LLC	WSTF Testing, Analysis, and Technical Expertise (Materials,	11/23/2020	11/23/2025	Reimbursable	-----	WSTF	SAA-RA-20-31187
1232	30649	B/E Aerospace, d.b.a.Collins Aerospace	NASA-STD-6001 Flammability, Offgassing, Compatibility Test	3/31/2020	3/30/2025	Reimbursable	-----	WSTF	SAA-RA-20-30648
1233	30648	B/E Aerospace, d.b.a. Collins Aerospace	Collins Aerospace Oxygen and COPV Testing, Analysis and	3/31/2020	3/30/2025	Reimbursable	-----	WSTF	SAA-RA-20-30648
1234	29610	AS and D, LLC	NASA's Composite Overwrapped Pressure Vessel (COPV) C	2/4/2019	2/4/2024	Reimbursable	-----	WSTF	SAA-RA-19-29610
1235	28204	THE BOEING COMPANY	Perform R40b thruster testing and provide test data results.	9/13/2018	9/13/2023	Reimbursable	-----	WSTF	SAA-RA-18-28204

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1236	26448	WHA INTERNATIONAL, INC	Annex to Testing, Analysis Activities, and Exchange of Techn	9/7/2017	3/21/2022	Reimbursable	-----	WSTF	SAA-RA-17-25227-02
1237	25435	Blue Origin, LLC	NASA-STD-6001 Flammability, Offgassing, Compatibility Tes	4/18/2017	4/18/2022	Reimbursable	-----	WSTF	SAA-RA-17-25434-01
1238	25434	Blue Origin, LLC	TESTING, ANALYSIS ACTIVITIES, AND EXCHANGE OF TI	4/18/2017	4/18/2022	Reimbursable	-----	WSTF	SAA-RA-17-25434
1239	25228	WHA International, Inc.	NASA-STD-6001 Flammability, Offgassing, and Compatibility	3/21/2017	3/21/2022	Reimbursable	-----	WSTF	SAA-RA-17-25227-01
1240	25227	WHA International, Inc.	Testing, Analysis Activities, and Exchange of Technical Expe	3/21/2017	3/21/2022	Reimbursable	-----	WSTF	SAA-RA-17-25227

List of Active Space Act Agreements (as of September 30, 2021) with U.S. Non-Federal Partners

ROW NO.	PAM ID NUMBER	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL ESTIMATED CUMULATIVE DOLLAR VALUE FOR AGREEMENT	CENTER	CENTER TRACKING NUMBER (IF ANY)
1241	22312	Honeywell	NASA-STD-6001 Flammability, Offgassing, and Compatibility	10/11/2016	10/11/2021	Reimbursable	-----	WSTF	SAA-RA-16-22311-01
1242	22311	Honeywell	Honeywell NASA-STD-6001B, Vacuum Stability Testing and	10/11/2016	10/11/2021	Reimbursable	-----	WSTF	SAA-RA-16-22311
1243	22154	Celanese International Corporation	Celanese Chemical Division Process Enhancement Testing	11/7/2018	11/7/2021	Reimbursable	-----	WSTF	SAA-RA-18-22154
1244	20648	Blue Origin, LLC	NONREIMBURSABLE SPACE ACT AGREEMENT BETWEEN BLUE ORIGIN, LLC AND NASA FOR THE LOAN OF NASA OWNED PRESSURE VESSELS	5/8/2017	5/8/2022	Non-Reimbursable	\$17,256	WSTF	SAA-RA-17-20648